

CLIMATOLOGICAL DATA FOR OCTOBER, 1913.

DISTRICT NO. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Moderately cool weather prevailed, and from the 19th to 21st a cool wave overspread the district giving frost generally over the southeastern portion. Another cool period prevailed from the 26th to 30th, and on the 28th freezing temperatures occurred nearly to the Gulf coast in Louisiana. The precipitation was well distributed throughout the month, and it was generally sufficient for agricultural needs, and over parts of the southeastern portion of the district the rains were excessive and damaging. The floods of September 26 to October 4 in southwestern Louisiana did much damage. (See special article covering these floods in this issue of the Review.)

The following table summarizes the chief features of meteorological interest in the various portions of the district:

| States and portions of States lying within district No. 7. | Mean temperature. | Departure from the normal. | Mean precipitation. | Departure from the normal. | Greatest precipitation in 24 hours. | Mean snowfall. | Number of days— | | | Prevailing wind direction. |
|--|-------------------|----------------------------|---------------------|----------------------------|-------------------------------------|----------------|-------------------------|--------|----------------|----------------------------|
| | | | | | | | With 0.01 inch or more. | Clear. | Partly cloudy. | |
| Colorado | 43.2 | -3.1 | 0.82 | -0.28 | 1.03 | 7.0 | 5 | 18 | 9 | sw. |
| New Mexico | 51.1 | -3.5 | 0.74 | -0.46 | 3.42 | 0.4 | 2 | 16 | 10 | sw. |
| Texas | 53.2 | -3.4 | 2.08 | -0.13 | 2.83 | 0.5 | 5 | 15 | 7 | s. |
| Kansas | 55.1 | -2.9 | 2.20 | +0.27 | 2.90 | 1.3 | 6 | 15 | 10 | s. |
| Oklahoma | 58.1 | -3.6 | 2.97 | +0.36 | 3.32 | 0.4 | 7 | 14 | 9 | s. |
| Missouri | 58.1 | -2.4 | 5.81 | +2.86 | 2.80 | 2.8 | 10 | 15 | 5 | nw. |
| Tennessee | 58.2 | -1.9 | 4.50 | +1.97 | 1.53 | 0.5 | 9 | 14 | 5 | s. |
| Arkansas | 60.1 | -2.1 | 5.41 | +2.67 | 3.32 | 4.1 | 9 | 13 | 9 | s. |
| Mississippi | 61.7 | -2.1 | 3.74 | +1.42 | 4.00 | 0 | 9 | 13 | 7 | se. |
| Louisiana | 65.4 | -2.0 | 5.36 | +2.77 | 5.25 | 0 | 9 | 15 | 6 | n. |

TEMPERATURE.

Mean temperatures ranged from 0.9° to 5.8° below the normal. Maximum temperatures of 85° or higher were reported from one or more stations in all States or parts of States in the district. The highest temperature recorded, 98°, occurred at Reserve, La., and a maximum reading of 95° was reported from Portland and Texarkana, Ark., and Arapaho, Okla. Monthly minimum temperatures were generally below 30°, except that in southern Louisiana they were between 30° and 40°. The lowest temperature recorded, -10°, occurred at Westcliffe, Colo., and a minimum reading of zero was reported from Leadville, Colo.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—The precipitation was below the normal over the upper and above the normal over the middle and lower portions of this drainage area.

In Colorado the average from 35 stations was 0.82 inch, about 0.3 inch below the normal. Over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma the average from 46 stations was 2.61 inches, about the normal amount. In New Mexico the average from 37 stations in the Canadian Valley was 0.63 inch, about 0.5 inch below the normal. Over those portions of the Canadian Valley that lie in Texas and Oklahoma the average from 29 stations was 1.78 inches, about 0.3 inch below the normal. The amounts from 21 stations in the Cimarron Valley averaged 1.39 inches, about 0.1 inch below the normal. Over the Verdigris Valley the average from 9 stations was 3.79 inches, about 1 inch above the normal, and over the Neosho Valley the average from 19 stations was 4.20 inches, about 1.5 inches above the normal. Below the Oklahoma-Arkansas line the precipitation from 14 stations in the Arkansas Valley proper averaged 5.33 inches, about 2.7 inches above the normal.

Red River and tributaries.—The precipitation was above the normal over this drainage area, except in New Mexico. In those portions of this drainage area that lie in New Mexico, Texas, and Oklahoma the amounts from 51 stations averaged 2.77 inches, about 0.4 inch above the normal. Below the Texas-Arkansas line the precipitation was heavier, the average from 19 stations being 3.77 inches, about 1.1 inches above the normal.

Mississippi River south of St. Louis and small tributaries.—The precipitation was generally heavy throughout this drainage area. In the immediate Mississippi Valley the average from 40 stations was 5.22 inches, being about 2.4 inches in excess of the normal. The average from 23 stations in the valley of the White was 5.96 inches, about 3.3 inches above the normal. Over the Yazoo Valley the average from 24 stations was 4.03 inches, about 2.2 inches above the normal. In the valley of the Big Black the average was 2.32 inches, about the normal amount. In the Ouachita Valley the average from 20 stations was 4.90 inches, about 2.2 inches above the normal.

Louisiana coastal plain.—The precipitation was generally heavy over this area, the average from 37 stations being 5.94 inches, about 3.4 inches above the normal.

SNOWFALL.

Snow was general over the northern and western portions of the district, and at many stations, especially in the extreme northeastern portion of the district, it was exceptionally heavy for so early in the season. The amounts ranged from a trace at many stations to 45.7 inches at Worton, Colo. In the mountains of Colorado and New Mexico the early snow probably mostly disappeared, except that on the northern slopes and in gulches protected from the direct rays of the sun.

RIVERS.

The Mississippi River below St. Louis, the Ouachita, and the Red Rivers changed very little during the month.

The upper Arkansas and small tributaries carried about the normal amount of water for the season of the year. Below Dardanelle, Ark., low stages prevailed during the first half of the month, but it was at fairly good stages and navigable during the latter half.

The White River was low during the first three weeks, but it was fairly high during the closing week of the month.

HEAVY RAINS AND RESULTANT FLOODS IN SOUTHWESTERN LOUISIANA SEPTEMBER 26 TO OCTOBER 4, 1913.

By ISAAC M. CLINE, District Forecaster.

An area of low pressure, which made its appearance off the mouth of the Rio Grande River on the morning of September 25, moved slowly toward the northeast and caused unusually heavy precipitation over southwestern Louisiana from September 26 to 30, inclusive, which, following heavy rains earlier in the month, caused unprecedented floods and great damage to crops. The total rainfall, in inches, during the five days was reported as follows: Calcasieu Parish—Jennings, 8.96; Lake Charles, 10.66; Sugartown, 16.77. Cameron Parish—Cameron, 8.89; Lakeside, 15.55. Vermilion Parish—Abbeville, 15.26; Florence, 14.10. Acadia Parish—Rayne, 13.20. Lafayette Parish—Lafayette, 8.65. Iberia Parish—Jeanerette, 15.10; New Iberia, 13.20. St. Martin Parish—Cades, 15.30. Rapides Parish—Cheneyville, 14.32; Richland Plantation, 11.56. St. Landry Parish—Grand Coteau, 10.33; Opelousas, 9.19.

As a result of these rains all of the streams in southwestern Louisiana overflowed their banks, and the greater portion of the country was flooded to some extent. At Lake Charles the Calcasieu River reached a stage of 16.3 feet on October 1, which is said to be the highest water of record. Low portions of Lake Charles were flooded from September 29 to October 4. The street car service, the water and electric light plants, many manufacturing and business concerns, and railroads were forced to suspend operations during this period. Farming operations were at a standstill for more than 10 days on account of the roads and fields being impassable. Some reports state that the water was not off all the fields as late as October 11.

It is estimated that about 350,000 acres of agricultural land was overflowed. Rice, cotton, corn, sweet potatoes, hay, and truck gardens suffered injury on lowlands ranging in different sections from one-tenth to one-half the crop, and in some localities the crops were totally destroyed. Hon. C. J. Edwards, cooperative observer at Abbeville, Vermilion Parish, says: "Cane, cotton, and rice were under water ranging in depth from $1\frac{1}{2}$ to 5 feet," and similar conditions existed in many other portions of southwestern Louisiana. Even where the lands were not overflowed the crops were injured by the ex-

cessive rains. The damage from the excessive rains and floods is conservatively estimated as follows:

| | |
|--|-----------|
| Money loss due to property damage, including that to railroads, but not crops..... | \$150,000 |
| Money loss from damage to crops in the field..... | 1,085,000 |

Loss due to suspension of business, including wages, must have been heavy, in view of the fact that in a number of parishes there were several days during which very little work could be accomplished on account of the continued rains and high water, but it is not possible to estimate this loss.

STORMS IN SOUTHEASTERN LOUISIANA OCTOBER 23, 1913.

By ISAAC M. CLINE, District Forecaster.

Thundersqualls and severe local storms occurred in southeastern Louisiana between midnight and 3 a. m. October 23, 1913. A tornado passed over the Abby and Energy plantations near Thibodaux, La Fourche Parish, between 1 and 2 a. m. on that date, the débris from which clearly showed the rotary movement of the winds. The storm moved from the southwest toward the northeast, and the path of greatest destruction was about 800 feet wide. The damage to buildings, farm machinery, household effects, etc., amounted to about \$15,000. Four persons were killed and 18 were injured.

A severe thunderstorm passed over New Orleans, La., between 1 and 3 a. m. The wind attained a maximum velocity of 35 miles an hour from the southwest at 2.45 a. m. Trees, frail buildings, smokestacks, telegraph and telephone poles, and signs were blown down in many parts of the city. The high winds were in gusts of short duration and apparently only a few hundred feet in width, but the débris did not indicate that the damage resulted from tornadoes. The total damage in New Orleans is estimated at about \$10,000. A few persons were slightly injured.

These storms occurred in connection with the eastward movement over Louisiana of an area of low pressure, which was centered on the morning of October 22 in the vicinity of Abilene, Tex., where the barometer was 29.70 inches. By 8 p. m. the low-pressure area had moved eastward to southern Arkansas, with the lowest barometer reported, 29.78 inches, at Shreveport, La. The gradients were not steep, but the storm developed to the southeastward and was centered at 8 a. m., October 23, in the vicinity of Jackson, Miss., where the barometer at that time was 29.76 inches. The lowest barometer reading at New Orleans during the passage of the storm was 29.70 inches, at 2.15 a. m., there having been a steady fall from 29.78 inches at midnight. There was a rapid rise in the barometer, from 29.70 inches at 2.15 a. m. to 29.77 inches at 2.45 a. m. The wind shifted from the southeast by the way of the north and west to southwest at 2.16 a. m., indicating that a secondary low-pressure area had developed during the early part of the night to the southwest of New Orleans and moved northeastward, its center passing over the city.

TABLE 1.—Climatological data for October, 1913. District No. 7, Lower Mississippi Valley.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | | |
|---------------------|-------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-----------------|---------|-----------------|---------------------------|--------|----------------------------|-----------------------|--------------------------|--|-----------------------|-------------------------------|------------------------|--------------------|---------------------------|----------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmeted. | Number of rainy days, 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| <i>Colorado.</i> | | | | | | | | | | | | | | | | | | | | | |
| Buena Vista. | Chaffee. | 7,955 | 13 | 40.8 | -0.6 | 70 | 12 | 4 | 26 | 56 | 0.55 | -0.14 | 0.55 | T. | 1 | 23 | 5 | 3 | nw. | C. A. Short. | |
| Calhan. | El Paso. | 6,700 | 6 | 42.9 | - | 75 | 3 | 9 | 26 | 42 | 0.58 | - | 0.18 | 1.5 | 5 | 20 ^a | 9 ^a | 1 ^a | sw. | H. B. Rice. | |
| Canon City. | Fremont. | 5,343 | 25 | 50.3 | -2.9 | 80 | 2 | 13 | 26 | 44 | 0.50 | -0.32 | 0.29 | 6.5 | 4 | 24 | 6 | 1 | nw. | U. S. Weather Bureau. | |
| Colorado Springs. | El Paso. | 6,098 | 33 | | | | | | | | 0.52 | -0.41 | 0.26 | 10.0 | 6 | | | | | Colorado College. | |
| Cripple Creek. | Teller. | 9,396 | 12 | | | | | | | | 1.98 | - | 1.03 | 8.5 | 5 | 19 | 10 | 2 | sw. | F. G. Willis. | |
| Cuchara Camps. | Huerfano. | 8,200 | 4 | | | | | | | | 0.10 | - | 1.10 | T. | 1 | 21 | 8 | 2 | n. | George A. Mayes. | |
| Eads. | Kiowa. | 4,209 | 6 | 39.4 | - | 58 | 5 | 28 | 27 ^t | 30 | 1.84 | - | 0.70 | 16.5 | 5 | 18 | 9 | 4 | e. | Mrs. Mattie A. Kerr. | |
| Fairview. | Custer. | 9,500 | 1 | | | | | | | | | | | | | | | | Elizabeth L. Grey. | | |
| Florence. | Fremont. | 5,187 | 1 | | | | | | | | | | | | | | | | Dr. L. E. Rupert. | | |
| Fremont Exp. Sta. | El Paso. | 8,850 | 3 | 35.9 | - | 62 | 24 | 6 | 28 ^t | 41 | 1.06 | - | 0.38 | 10.5 | 8 | 7 | 21 | 3 | w. | U. S. Forest Service. | |
| Garfield. | Chaffee. | 9,510 | 3 | | | | | | | | 1.18 | - | 0.61 | 6.0 | 6 | 20 | 7 | 4 | w. | Lloyd N. Felton. | |
| Hamps. | Elbert. | 5,400 | 20 | 44.8 | -2.3 | 78 | 13 | 6 | 29 | 48 | 0.11 | -0.51 | 0.05 | 0.5 | 3 | 12 | 10 | 9 | n. | W. Hamp. | |
| Hermit Lake. | Custer. | 10,000 | 3 | | | | | | | | 1.56 | - | 0.55 | 19.0 | 5 | 15 ^t | 8 ^t | 5 | sw. | John E. Graham. | |
| Hoegne (near). | Las Animas. | 5,711 | 21 | 49.6 | -2.3 | 80 | 12 | 10 | 26 | 53 | 0.94 | -0.05 | 0.48 | T. | 6 | 18 | 5 | 8 | w. | S. W. DeBusk. | |
| Holly. | Prowers. | 3,380 | 18 | | | | | | | | 0.62 | - | 0.22 | 4.2 | 7 | 21 | 10 | 0 | sw. | Holly Sugar Company. | |
| Otero. | El Paso. | 4,052 | 19 | 34.5 | -2.9 | 61 | 12 | 3 | 26 | 44 | 1.20 | -0.45 | 0.44 | 18.5 | 9 | 7 | 13 | 11 | sw. | S. M. Miller. | |
| Lake Moraine. | Prowers. | 3,592 | 23 | 52.4 | -3.0 | 86 | 14 | 13 | 29 | 53 | 0.10 | -0.86 | 0.10 | 0 | 1 | 23 ^b | 5 ^b | 1 ^b | e. | Clyde C. McReynolds. | |
| Lamar. | Bent. | 3,899 | 45 | | | | | | | | 0.92 | - | 0.31 | -0.77 | 0.16 | 4.0 | 2 | 17 | 6 | n. | J. T. Lawless. |
| Las Animas. | Costilla. | 9,000 | 3 | | | | | | | | 0.43 | - | 0.40 | 4.5 | 3 | 21 | 6 | 4 | sw. | American Beet Sugar Co. | |
| Leadville. | Lake. | 10,248 | 17 | 32.2 | -4.8 | 63 | 2 | 0 | 26 | 36 | 1.51 | +0.49 | 0.77 | 14.5 | 8 | 10 | 14 | 2 | sw. | Clara M. Wright. | |
| Limon (near). | Elbert. | 5,360 | 6 | 45.2 | - | 82 | 3 | 9 | 29 | 43 | 0.14 | - | 0.14 | 2.0 | 1 | 17 | 6 | 8 | n. | U. S. Weather Bureau. | |
| Madrid. | Las Animas. | 6,361 | 3 | | | | | | | | 0.92 | - | 0.61 | 1.0 | 6 | | | | sw. | Thomas Sawers. | |
| Marshall Pass. | Saguache. | 10,846 | 10 | | | | | | | | 0.31 | - | 0.40 | 4.0 | 2 | 17 | 10 | 4 | sw. | W. L. Williams. | |
| Maxey. | Baca. | 4,250 | 2 | 41.5 | - | 68 | 13 | 6 | 26 | 43 | 0.75 | - | 0.55 | 9.0 | 3 | 14 | 15 | 2 | sw. | L. H. Alberti. | |
| Monument. | El Paso. | 7,200 | 2 | | | | | | | | 0.43 | - | 0.40 | 13.0 | 5 | 19 | 6 | 5 | sw. | U. S. Forest Service. | |
| North Lake. | Las Animas. | 8,700 | 21 | | | | | | | | 0.97 | -0.57 | 0.65 | 3.5 | 4 | 27 | 1 | 3 | sw. | James W. Ingmire. | |
| Pueblo. | Pueblo. | 4,734 | 25 | 49.3 | -3.0 | 81 | 14 | 17 | 29 | 46 | 0.17 | -0.53 | 0.07 | T. | 5 | 15 | 15 | 1 | e. | P. K. Blinn. | |
| Rocky Ford (near). | Otero. | 4,177 | 24 | 49.6 | -3.3 | 85 | 3 | 13 | 26 | 54 | 0.77 | -0.09 | 0.47 | 3.0 | 2 | 22 ^a | 6 ^a | 2 ^a | sw. | Daniel Clark. | |
| St. Elmo. | Chaffee. | 9,500 | 4 | | | | | | | | 0.99 | - | 0.50 | 3.0 | 5 | 20 | 10 | 1 | sw. | M. D. L. Buell. | |
| Salida. | do. | 7,035 | 14 | 44.0 | -2.6 | 74 | 12 | 11 | 26 ^t | 50 | 1.06 | -0.27 | 0.70 | 1.0 | 3 | 27 | 2 | 2 | w. | G. A. Storz. | |
| Stonewall. | Las Animas. | 8,000 | 14 | | | | | | | | 1.30 | - | 0.67 | 1.0 | 5 | 15 ^a | 4 ^a | 11 ^a | w. | Walter Dearden. | |
| Trinidad. | do. | 5,964 | 17 | 48.7 | -4.3 | 77 | 14 | 16 | 26 | 43 | 1.09 | -0.13 | 0.41 | 4.5 | 9 | 14 | 12 | 5 | n. | N. G. Jones. | |
| Two Buttes. | Baca. | 4,100 | 2 | | | | | | | | 0.50 | - | 0.40 | 5.0 | 4 | 13 | 17 | 1 | sw. | Walter J. Krohne. | |
| Two Buttes Res'vr. | do. | 4,250 | 10 | 36.3 | - | 65 | 12 | 6 | 26 | 43 | 0.92 | - | 0.31 | 9.5 | 5 | 21 | 8 | 2 | w. | Fred Jones. | |
| Vietor. | Teller. | 10,100 | 9 | | | | | | | | 0.85 | -0.38 | 0.41 | 5.0 | 3 | 12 ^b | 0 ^b | 13 ^b | w. | Miss Esther Caldwell. | |
| Vilas. | Baca. | 3,935 | 23 | | | | | | | | 1.20 | -0.45 | 0.40 | 4.0 | 4 | 22 | 4 | 5 | sw. | U. S. Forest Service. | |
| Westcliffe. | Custer. | 7,864 | 19 | 38.5 | -5.4 | 73 | 13 | -10 | 26 | 53 ^t | 0.85 | -0.38 | 0.41 | 5.0 | 3 | 12 ^b | 0 ^b | 13 ^b | w. | John G. Payne. | |
| Winfield. | Chaffee. | 9,765 | 2 | | | | | | | | 0.43 | - | 0.40 | 4.5 | 4 | 22 | 4 | 5 | sw. | Woodman Sanatorium. | |
| Woodman Sanatorium. | El Paso. | 11,250 | 2 | 44.8 | - | 71 | 13 | 12 | 26 ^t | 43 | 2.43 | +0.65 | 0.40 | 45.7 | 12 | 13 | 6 | 13 | sw. | Mrs. Lillie Wortman. | |
| Wortman. | Lake. | 11,250 | 12 | | | | | | | | 0.11 | - | 0.11 | 1.0 | 1 | 20 | 8 | 3 | sw. | J. E. Bingham. | |
| <i>New Mexico.</i> | | | | | | | | | | | | | | | | | | | | | |
| Abbott. | Mora. | 5,771 | 4 | | | | | | | | 0.15 | - | 0.15 | T. | 1 | 13 | 4 | 14 | sw. | Agent E. P. & S. W. R. R. | |
| Albert. | Union. | 4,700 | 23 | 55.2 | -2.6 | 81 | 14 | 23 | 28 | 44 | 0.00 | -0.85 | 0.00 | 0 | 0 | 25 | 4 | 2 | w. | Antonio Chavez. | |
| Aurora. | Colfax. | 8,849 | | | | | | | | | 0.36 | - | 0.12 | 0.5 | 6 | 5 | 22 | | nw. | Juanita Lucero. | |
| Bell Ranch. | San Miguel. | 4,500 | 14 | 54.6 | - | 87 | 14 | 20 | 27 | 49 | 0.23 | -0.50 | 0.21 | T. | 2 | 16 | 10 | 5 | sw. | C. M. O'Donel. | |
| Black Lake. | Colfax. | 8,348 | 4 | | | | | | | | 0.75 | - | 0.75 | 0 | 1 | 7 | 20 | 4 | w. | Ralph T. Martinez. | |
| Cabeza. | San Miguel. | 5,406 | 4 | | | | | | | | 0.63 | - | 0.30 | T. | 3 | 16 | 6 | 9 | ne. | Agent E. P. & S. W. R. R. | |
| Campana. | do. | 4,493 | 4 | 55.2 | - | 78 | 31 | 20 | 29 | 44 | 0.00 | - | T. | 0 | 0 | 19 | 8 | 4 | sw. | Do. | |
| Chacon. | Mora. | 9,000 | 4 | | | | | | | | 0.00 | - | 0.00 | 0 | 0 | 5 | 22 | 4 | w. | Alfred Lucero. | |
| Cimarron (near). | Colfax. | 6,385 | 9 | 47.0 | - | 78 | 14 | 9 | 29 | 52 | 0.39 | -0.63 | 0.19 | 0.5 | 3 | 14 | 8 | 9 | e. | Capt. W. M. French. | |
| Clayton. | Union. | 5,260 | 8 | 52.8 | - | 83 | 14 | 22 | 26 | 42 | 1.50 | - | 0.79 | 1.5 | 4 | 17 | 10 | 4 | sw. | Dr. N. E. Charlton. | |
| Clovis. | Curry. | 4,129 | 2 | 51.0 | - | 288 | 47 | 25 | 45 | 76 | 0.34 | - | 0.34 | 0 | 3 | 12 | 0 | 5 | sw. | John H. Barry. | |
| Cuervo. | Guadalupe. | 4,849 | 4 | 45.7 | - | 82 | 14 | 30 | 26 | 39 | 0.00 | - | 0.00 | 0 | 0 | 22 | 3 | 6 | sw. | Agent E. P. & S. W. R. R. | |
| Dawson. | Colfax. | 6,396 | 4 | 48.2 | - | 76 | 14 | 11 | 29 | 47 | 1.49 | - | 1.30 | 0 | 0 | 10 | 20 | 1 | n. | Do. | |
| Elizabethtown. | do. | 8,465 | 8 | 38.6 | - | 68 | 12 | 8 | 26 ^t | 51 | 0.93 | - | 0.90 | 0.5 | 2 | 19 | 8 | 4 | w. | Mabel Carrington. | |
| Folsom. | Union. | 6,399 | 13 | | | | | | | | 0.33 | - | 0.17 | 2.0 | 2 | 17 | 10 | 4 | e. | David Rope. | |
| Fort Union. | Mora. | 6,835 | 53 | 45.2 | -5.2 | 73 | 14 | 10 | 29 | 53 | 0.60 | -0.57 | 0.30 | T. | 2 | 23 | 2 | 6 | w. | M. C. Needham. | |
| Hayden. | Union. | 4,444 | 3 | 53.0 | - | 83 | 8 | 20 | 29 | 43 | 0.94 | - | 0.68 | 2.0 | 3 | 18 | 11 | 2 | sw. | J. A. Bauer. | |
| Hoosier Ranch. | Mora. | 5,680 | 2 | | | | | | | | 0.32 | - | T. | 0 | 0 | 12 | 18 | 1 | sw. | W. H. Guthman. | |
| Johnsons Park. | Colfax. | 6,722 | 4 | 46.6 | - | 76 | 14 | 16 | 29 | 48 | 0.60 | - | 0.18 | T. | 1 | 13 | 18 | 0 | sw. | A. J. Meloche, Jr. | |
| Johnsons Ranch. | Mora. | 5,734 | 1 | | | | | | | | 0.18 | - | 0.10 | 0 | 2 | | | | w. | J. W. Johnson. | |
| Kappus. | Quay. | 4,000 | 2 | | | | | | | | 0.18 | - | 0.10 | 0 | 2 | | | | w. | Louis O'Brien. | |
| Lake Alice. | Colfax. | 7,160 | 4 | | | | | | | | 0.10 | - | 0.10 | 0 | 2 | | | | w. | Jesse Rickman. | |
| Logan. | Quay. | 3,851 | 7 | 48.0 | - | 90 | 2 | 16 | 29 | 51 | 0.33 | - | 0.17 | 2.0 | 2 | 17 | 10 | 4 | e. | J. F. MacFarland. | |
| Lykins (near). | Roosevelt. | 5,000 | 3 | | | | | | | | 0.65 | - | 0.54 | 0 | 4 | 20 | 7 | 4 | sw. | H. Ackerman. | |
| Maxwell (near). | Colfax. | 5,894 | 6 | | | | | | | | 0.90 | - | 0.54 | 0 | 4 | 20 | 7 | 4 | sw. | Dan N. Jackson. | |
| McIrose. | Curry. | 4,400 | 5 | | | | | | | | 2.05 | - | 0.92 | 0 | 4 | 20 | 11 | 0 | e. | Dr. B. M. Porter. | |
| Miami Ranch. | Colfax. | 6,000 | 5 | 46.8 | - | 75 | 12 ^t | 10 | 29 | 48 | 0.17 | - | 0.10 | 0 | 2 | 20 | 11 | 0 | e. | Farmers Development Co. | |
| Mills (near). | Mora. | 5,985 | 2 | | | | | | | | 3.67 | - | 3.42 | 0 | 3 | 17 | 7 | 6 | w. | J. E. La Rue. | |
| Montoya. | Quay. | 4,335 | 4 | </ | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for October, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | | |
|-------------------|----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|---|-----------------------|-------------------------------|------------------------|-----|-----------------------|------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmelted. | Number of rainy days 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| Texas. | | | | | | | | | | | | | | | | | | | | | |
| Amarillo. | Potter. | 3,676 | 21 | 55.2 | -0.9 | 85 | 14 | 24 | 29 | 46 | 0.81 | -0.90 | 0.30 | 0.7 | 5 | 22 | 9 | 0 | sw. | U. S. Weather Bureau. | |
| Archer City. | Archer. | 2 | 2 | | | | | | | | 2.76 | 1.39 | 0 | 8 | 6 | 14 | 9 | 8 | s. | Charles H. Thuman. | |
| Arthur City. | Lamar. | 590 | 21 | | | | | | | | | | | | | | | | n. | J. F. Humphreys. | |
| Bonham. | Fannin. | 566 | 9 | 61.2 | | 89 | 6 | 27 | 30 | 35 | 3.03 | | 1.21 | 0 | 9 | 4 | 6 | 21 | n. | H. M. Norman. | |
| Canadian. | Hemphill. | 2,339 | 6 | 56.8 | | 87 | 5 | 22 | 29 | 35 | 0.84 | | 0.35 | T. | 4 | 22 | 1 | 8 | n. | R. M. Hibbard. | |
| Childress. | Childress. | 1,869 | 20 | | | | | | | | | 1.15 | -0.50 | 0.50 | 0 | 4 | 8 | 21 | s. | George Baker. | |
| Chillicothe. | Hardeman. | 1,406 | 5 | | | | | | | | | | 2.35 | 0 | 7 | 12 | 16 | 3 | n. | C. W. Underwood. | |
| Clarendon. | Donley. | 2,719 | 8 | 57.8 | | 86 | 5 | 22 | 27 | 45 | 0.88 | | 0.45 | 0 | 7 | 15 | 8 | 8 | sw. | E. Homer Powell. | |
| Clarksville. | Kod River. | 442 | 13 | 64.0 | -2.4 | 88 | 7 | 31 | 29† | 40 | 2.55 | -0.62 | 1.30 | 0 | 3 | 2 | 2 | 2 | s. | Ft. W. & D. C. Ry. | |
| Claude. | Armstrong. | 3,397 | 10 | 53.4 | | 85 | 14 | 18 | 29 | 49 | 0.10 | | 0.10 | 1.0 | 1 | 15 | 8 | 8 | sw. | W. D. Griggs. | |
| Dalhart. | Dallam. | 3,998 | 8 | | | | | | | | | 4.07 | + 1.00 | 1.05 | 0 | 9 | 13 | 1 | 17 | s. | E. B. Wilson. |
| Denison. | Grayson. | 13 | 3 | | | | | | | | | 4.43 | | 2.83 | 0 | 4 | 17 | 2 | 12 | s. | Robert L. Smith. |
| Finley. | Bowie. | | | | | | | | | | | | | | | | | | s. | C. K. Brown. | |
| Henrietta. | Clay. | 915 | 21 | 60.8 | -4.5 | 90 | 6 | 27 | 30 | 39 | 3.02 | + 0.92 | 1.17 | 0 | 10 | 14 | 4 | 10 | e. | J. C. Kistenmacher. | |
| Jefferson. | Marion. | | | | | | | | | | | | | | | | | | s. | Ft. W. & D. C. Ry. | |
| Memphis. | Hall. | 2,067 | 8 | | | | | | | | | | | | | | | | s. | I. E. Kinney. | |
| Miami. | Roberts. | 2,743 | 10 | 57.8 | | 86 | 14 | 22 | 27† | 48 | 0.60 | -0.85 | 0.23 | 1.0 | 5 | 5 | 15 | 10* | s. | S. J. Allen. | |
| Ochiltree. | Ochiltree. | 10 | | | | | | | | | | 0.36 | -0.77 | 0.36 | 0 | 1 | | | | n. | C. M. Grayum. |
| Paducah. | Cottle. | | | | | | | | | | | | | | | | | | n. | J. Sid O'Keefe. | |
| Panhandle. | Carson. | 3,450 | 4 | 61.3 | -4.4 | 90 | 8 | 29 | 29 | 40 | 0.60 | | 0.25 | 1.0 | 3 | 14 | 8 | 9 | n. | Robert A. Miller. | |
| Paris. | Lamar. | 592 | 24 | | | | | | | | | | | | | | | | n. | C. S. Solomon. | |
| Plemons. | Hutchinson. | 6 | 56.0 | | | 89 | 13 | 16 | 30 | 45 | 0.37 | | 0.32 | 0.5 | 3 | 26 | 2 | 3 | n. | William H. Crawford. | |
| Quanah. | Hardeman. | 1,563 | 11 | 58.8 | -5.3 | 89 | 8 | 28 | 29† | 40 | 3.13 | + 1.37 | 0.61 | 0 | 6 | 14 | 2 | 15 | nw. | J. F. White. | |
| Ringo Crossing. | Hopkins. | 3 | | | | | | | | | | | 2.73 | | 0 | 6 | 10 | 15 | s. | R. S. Chamberlain. | |
| Romero. | Hartley. | 4,056 | 3 | 54.2 | | 85 | 47 | 19 | 29 | 49 | 0.80 | | 0.65 | 0 | 2 | 15 | 11 | 5 | e. | R. A. Gibbs. | |
| Sherman. | Grayson. | 745 | 20 | 61.2 | -4.1 | 86 | 5 | 32 | 29† | 34 | 1.80 | -1.52 | 0.80 | 0 | 4 | 13 | 6 | 13 | s. | J. W. Elliott. | |
| Stratford. | Sherman. | 3,099 | 1 | 58.0 | | 90 | 12 | 25 | 26 | 55 | 0.40 | | 0.30 | 0.8 | 3 | 16 | 6 | 12 | s. | Lou Mulhall. | |
| Tulia. | Swisher. | 3,501 | 15 | 56.2 | -2.0 | 88 | 14 | 20 | 29 | 42 | 1.16 | -0.80 | 0.32 | T. | 6 | 12 | 3 | 3 | s. | J. D. Camp. | |
| Wellington. | Collingsworth. | 1 | | | | | | | | | | | 1.36 | | 0.94 | 0 | 3 | | | s. | J. C. Mytinger. |
| Wichita Falls. | Wichita. | 958 | 21 | | | | | | | | | | | | | | | | | s. | J. B. Newberry. |
| Winfield. | Titus. | 3 | | | | | | | | | 6.02 | | 2.45 | 0 | 7 | 8 | 17 | 6 | nw. | | |
| Kansas. | | | | | | | | | | | | | | | | | | | | | |
| Alden. | Rice. | 1,684 | 3 | 54.7 | | 85 | 8 | 16 | 29 | 39 | 2.12 | | 1.50 | 1.0 | 7 | 15 | 14 | 2 | s. | Geo. Klady. | |
| Anthony. | Harper. | 1,329 | 16 | 57.0 | | 87 | 21 | 20 | 29 | 39 | 1.56 | -0.49 | 0.51 | 0.5 | 8 | 7 | 17 | 7 | se. | R. H. Beebe. | |
| Ashland. | Clark. | 1,951 | 25 | 55.8 | -2.6 | 90 | 14 | 17 | 29 | 46 | 0.65 | -1.12 | 0.24 | T. | 11 | 19 | 9 | 3 | s. | C. W. Carson. | |
| Burlington. | Coffey. | 1,010 | 20 | 54.8 | -4.0 | 85 | 6 | 19 | 29† | 40 | 4.24 | + 1.86 | 1.39 | 3.0 | 9 | 2 | 22 | 7 | s. | O. E. Sanford. | |
| Chanute. | Neosho. | 940 | 9 | 57.2 | | 89 | 2 | 21 | 29 | 40 | 1.58 | | 0.81 | 3.0 | 3 | 12 | 8* | 8* | n. | C. W. Brown. | |
| Cimarron. | Gray. | 2,700 | 1 | 54.2 | | 89 | 14 | 10 | 29 | 48 | 0.25 | | 0.15 | 1.5 | 2 | 21 | 4* | 4* | n. | C. C. Isely. | |
| Coldwater. | Comanche. | 2,090 | 16 | 55.0 | -2.5 | 85 | 5† | 15 | 29 | 39 | 0.48 | -1.08 | 0.19 | T. | 5 | 20 | 6 | 5 | s. | J. L. Stanley. | |
| Columbus. | Cherokee. | 598 | 23 | 55.7 | -3.2 | 84 | 6 | 22 | 29 | 33 | 0.93 | + 0.86 | 1.08 | 2.8 | 9 | 20 | 1 | 10 | sw. | O. E. Skinner. | |
| Coolidge. | Hamilton. | 3,348 | 10 | 49.4 | -4.2 | 84 | 15 | 7 | 29 | 53 | 0.05 | -0.86 | 0.05 | 0.5 | 1 | 20 | 8 | 3 | se. | W. R. Padley. | |
| Cottonwood Falls. | Chase. | 1,234 | 9 | 55.2 | | 86 | 6 | 18 | 29 | 35 | 4.55 | | 1.24 | 0.8 | 8 | 12 | 10 | 9 | s. | E. B. Greene. | |
| Council Grove. | Morris. | 1,234 | 4 | 55.4 | | 90 | 14 | 18 | 29 | 34 | 5.28 | | 1.80 | 1.0 | 9 | 13 | 14* | 1* | n. | J. P. Blackledge. | |
| Cunningham. | Kingman. | 1,680 | 29 | 55.4 | -1.9 | 85 | 5 | 18 | 29 | 37 | 2.40 | + 0.36 | 0.75 | 0.5 | 7 | 16 | 12 | 3 | s. | W. H. Morton. | |
| Dodge City. | Ford. | 2,513 | 38 | 52.8 | -1.9 | 88 | 14 | 14 | 29 | 46 | 0.30 | | 0.10 | 0.19 | 5 | 4 | 11 | 11 | nw. | U. S. Weather Bureau. | |
| El Dorado. | Butler. | 1,291 | 11 | 55.2 | | 82 | 6 | 19 | 29 | 36 | 2.97 | | 0.93 | 1.4 | 8 | 14 | 10 | 7 | s. | W. Y. Miller. | |
| Ellinwood. | Barton. | 1,790 | 38 | 54.6 | -2.3 | 86 | 14 | 15 | 29 | 41 | 1.32 | -0.51 | 0.66 | 1.0 | 8 | 32 | 21 | 5 | sw. | Martin Musil. | |
| Emporia. | Lyon. | 1,138 | 32 | 55.6 | -1.8 | 85 | 6 | 20 | 29 | 36 | 5.59 | + 2.96 | 2.90 | 1.5 | 8 | 12 | 13 | 6 | sw. | Chas. Moss. | |
| Eureka. | Greenwood. | 1,079 | 17 | 54.6 | | 85 | 6 | 19 | 29 | 32 | 4.78 | + 2.09 | 2.25 | 2.5 | 7 | 15 | 5 | 4 | s. | Mrs. T. C. Peffer. | |
| Fall River. | do. | 925 | 17 | 56.8 | -3.5 | 89 | 2 | 20 | 29 | 41 | 3.38 | + 0.64 | 1.00 | 3.0 | 8 | 20 | 7 | 4 | s. | J. McDaniel. | |
| Fargo. | | 3 | | | | | | | | | | | 0.24 | | 0.14 | 1.0 | 28 | 3 | 0 | s. | N. B. Swink. |
| Fredonia. | Wilson. | 975 | 10 | 57.1 | | 88 | 2 | 20 | 29 | 37 | 3.80 | | 1.41 | 1.5 | 8 | 13 | 9 | 9 | s. | B. W. Holmes. | |
| Garden City. | Finnley. | 2,836 | 24 | 53.9 | -1.7 | 87 | 14 | 12 | 29 | 47 | 0.23 | -0.77 | 0.13 | 0.5 | 2 | 13 | 14 | 4 | s. | B. F. Stocks. | |
| Greensburg. | Kiowa. | 2,235 | 6 | 53.8 | | 84 | 12 | 15 | 29 | 42 | 0.62 | | 0.22 | T. | 4 | 21 | 6 | 4 | s. | C. C. Raymond. | |
| Grenola. | Elk. | 1,116 | 25 | 56.6 | -2.4 | 87 | 2 | 19 | 29 | 38 | 3.12 | + 0.43 | 1.60 | 1.0 | 8 | 17 | 4 | 10 | s. | R. M. Lawyer. | |
| Howard. | do. | 1,112 | 56.6 | | | 83 | 5† | 21 | 29† | 33 | 3.68 | | 1.49 | T. | 6 | 18 | 3 | 10 | s. | J. W. Eby. | |
| Hugoton. | Stevens. | 3,100 | 9 | 55.4 | | 89 | 14 | 15 | 29 | 53 | 0.12 | | 0.10 | 0.8 | 2 | 21 | 7* | 2* | s. | E. R. Kimzey. | |
| Hutchinson. | Reno. | 1,535 | 23 | | | | | | | | | | | | | | | | n. | Sheridan Plough. | |
| Independence. | Montgomery. | 800 | 39 | 57.4 | -2.8 | 86 | 2 | 22 | 29† | 36 | 4.49 | + 1.68 | 1.39 | 5.2 | 8 | 14 | 8 | 9 | s. | F. L. Kenover. | |
| Iola. | Allen. | 984 | 24 | 54.5 | -2.4 | 84 | 2 | 21 | 29 | 36 | 3.70 | + 1.43 | 1.22 | 6.0 | 8 | 13 | 10 | 8 | s. | U. S. Weather Bureau. | |
| Irene. | Hamilton. | 3,449 | 3 | 52.1 | | 85 | 4† | 12 | 29 | 49 | 0.02 | | 0.02 | 0.2 | 1 | 21 | 4 | 6 | nw. | N. M. Herbig. | |
| Jetmore. | Hodgeman. | 2,268 | 12 | | | | | | | | | | | | | | | | s. | James Alkin. | |
| Kingman. | Kingman. | 1,504 | 5 | 56.0 | | 86 | 6 | 19 | 29 | 38 | 1.71 | | 0.49 | 2.2 | 6 | 14 | 12 | 5 | sw. | B. B. Anawalt. | |
| La Crosse. | Rush. | 2,061 | 11 | 53.1 | -2.7 | 91 | 14 | 13 | 29 | 49 | 0.80 | -0.66 | 0.37 | 2.0 | 4 | 17 | 10 | 4 | se. | Rodney Torrey. | |
| Lakin. | Kearny. | 2,993 | 23 | 52.3 | -3.0 | 85 | 14 | 13 | 29 | 42 | T. | -0.85 | 0 | 25 | 5 | 1 | ne. | C. H. Longstreth. | | | |
| Larned. | Pawnee. | 2,090 | 28 | 53.8 | | 88 | 14 | 14 | 29 | 43 | 0.76 | -0.65 | 0.22 | 1.0 | 6 | 18 | 7 | 6 | s. | H. H. Wolcott. | |
| Lebo. | Coffey. | 1,138 | 27 | 54.6 | -2.8 | 84 | 2† | 20 | 29 | 33 | 4.49 | -1.97 | 2.17 | 0.8 | 10 | 16 | 8 | 7 | s. | J. J. Bowman. | |
| Le Roy. | do. | 990 | 4 | | | | | | | | | | 3.63 | | 0.94 | 6.5 | 11 | 15 | 2 | s. | F. W. Schmitt. |
| Liberal. | Seward. | 2,843 | 6 | 55.2 | -2.4 | 84 | 5 | 18 | 29 | 40 | 5.10 | + 2.52 | 1.17 | 2.0 | 10 | 12 | 16 | 3 | s. | Jerry Forney. | |
| Macksville. | Stafford. | 2,032 | 24 | 54.0 | -2.2 | 85 | 14 | 15 | 29 | 40 | 1.25 | -0.82 | 0.58 | 1.5 | 3 | 21 | 4</ | | | | |

TABLE 1.—Climatological data for October, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years | Temperature, in degrees Fahrenheit. | | | | | Precipitation, in inches. | | | | | Sky. | Prevailing wind direction. | Observers. | | | | |
|--------------------|---------------|------------------|-------------------------|-------------------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|---------------------------|---|----------------------------|-------------------------------|------------------------|-----------------------|-----------------------|------------|
| | | | | Mean. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmetted. | Number of rainy days 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| <i>Oklahoma.</i> | | | | | | | | | | | | | | | | | | | | |
| Ada. | Pontotoc. | 1,001 | 5 | 57.9 | 85 | 5 | 25 | 29† | 38 | 4.95 | — | 1.30 | T. | 12 | 8 | 10 | s. | H. P. Sugg. | | |
| Altus. | Jackson. | 1,410 | 5 | 53.8 | 86 | 5† | 25 | 29 | 39 | 1.49 | — | 0.51 | T. | 8 | 15 | 6 | 10 | U. S. Weather Bureau. | | |
| Alva. | Woods. | 1,350 | 8 | 55.2 | 88 | 5 | 20 | 29† | 44 | 2.01 | — | 1.13 | T. | 8 | 16 | 4 | 11 | S. A. Stech. | | |
| Apache. | Caddo. | 1,265 | 3 | 59.1 | 87 | 2 | 22 | 30 | 43 | 3.39 | — | 1.45 | T. | 8 | 18 | 6 | 7 | G. D. Teeter. | | |
| Arapaho. | Custer. | 1,575 | 19 | 58.6 | —2.8 | 95 | 12 | 32 | 40 | 2.46 | + 0.31 | 1.24 | T. | 9 | 7 | 20 | 4 | P. H. Gallion. | | |
| Ardmore. | Carter. | 872 | 11 | 60.5 | —3.6 | 88 | 5 | 26 | 30 | 36 | + 0.45 | 1.05 | T. | 0 | 10 | 18 | 10 | H. T. Nisbett. | | |
| Bartlesville. | Washington. | 687 | 5 | 58.9 | 88 | 6 | 23 | 29† | 36 | 4.16 | — | 1.20 | T. | 11 | 16 | 6 | 9 | nw. | | |
| Beaver. | Beaver. | 2,500 | 16 | 54.9 | —8.2 | 90 | 13† | 18 | 29 | 50 | 0.50 | — | 0.40 | T. | 3 | 20 | 8 | 3 | Elmer L. Fickel. | |
| Buffalo. | Harper. | 57. | — | 57. | 87 | 8 | 20 | 29 | 44 | 1.12 | — | 0.37 | T. | 3 | 14 | 8 | 9 | Dr. R. A. Owens. | | |
| Cache. | Comanche. | 1,350 | 7 | 57.0 | 84 | 1 | 20 | 30 | 43 | 3.10 | — | 1.50 | T. | 3 | 14 | 8 | 9 | Dr. R. Anderson. | | |
| Calvin. | Hughes. | 713 | 8 | 58.8 | 84 | 1 | 20 | 30 | 43 | 4.02 | — | 0.90 | T. | 10 | 14 | 6 | 17 | Mrs. Frank Rush. | | |
| Chandler. | Lincoln. | 865 | 11 | 58.2 | —3.5 | 87 | 2† | 28 | 27† | 43 | 2.11 | — | 0.91 | T. | 6 | 14 | 0 | 17 | Thomas Purcell. | |
| Chattanooga. | Comanche. | 1,150 | 7 | 57.5 | 84 | 6 | 22 | 29 | 34 | 1.74 | — | 0.88 | T. | 5 | 13 | 11 | 5 | Hiram C. Tuttle. | | |
| Chickasha. | Grady. | 1,061 | 11 | 57.2 | —5.9 | 86 | 6 | 21 | 30 | 44 | 2.84 | + 0.40 | 1.10 | T. | 7 | 19 | 5 | 7 | Squire Humble. | |
| Cleveland. | Pawnee. | 800 | 11 | 59.0 | —2.6 | 89 | 1† | 21 | 30 | 41 | 2.92 | — | 0.89 | T. | 8 | 17 | 10 | 4 | Anna W. O'Neil. | |
| Cloud Chief. | Washita. | 1,400 | 11 | 59.0 | —3.1 | 86 | 2 | 21 | 29 | 42 | 1.44 | — | 0.50 | T. | 3 | 9 | 15 | 7 | Chas. C. Breed. | |
| Crawford. | Roger Mills. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | C. J. Blackburn. | | |
| Durant. | Bryan. | 643 | 11 | 59.6 | —3.7 | 87 | 5 | 27 | 30 | 37 | 5.15 | + 1.10 | 1.20 | T. | 0 | 11 | 15 | 4 | Nelson Houk. | |
| Eldorado. | Jackson. | 1,456 | 6 | 60.0 | 89 | 6† | 22 | 29 | 40 | 3.41 | — | 1.40 | T. | 4 | 23 | 1 | 7 | J. T. Black. | | |
| El Reno. | Canadian. | 1,400 | 21 | 58.8 | —2.8 | 84 | 2† | 28 | 37† | 42† | — | — | 8 | 9 | 11 | se. | Rose E. Walker. | | | |
| Enid. | Garfield. | 1,269 | 11 | 58.2 | —2.4 | 85 | 2† | 21 | 29 | 47 | 1.74 | — | 0.92 | T. | 8 | 16 | 11 | 4 | Uri B. Worcester. | |
| Erick. | Beckham. | 2,058 | 8 | 59.4 | 87 | 5 | 22 | 29 | 41 | 1.70 | — | 0.80 | T. | 3 | 20 | 7 | 4 | A. W. Hanes. | | |
| Eufaula. | McIntosh. | 566 | — | 57.4 | 85 | 5 | 22 | 30 | 40 | 2.74 | — | 1.00 | T. | 7 | 11 | 7 | 5 | R. Uhl Brown. | | |
| Fairland. | Ottawa. | 839 | 13 | 58.0 | —3.6 | 90 | 6 | 22 | 30 | 40 | 4.75 | + 1.73 | 1.75 | T. | 9 | 15 | 9 | 10 | C. W. Prier. | |
| Fort Gibson. | Muskogee. | 556 | 8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | John T. Welch. | | |
| Frederick. | Tillman. | 1,293 | 6 | 60.9 | 86 | 6 | 24 | 30 | 39 | 3.03 | — | 1.15 | T. | 0 | 7 | 15 | 8 | B. P. Bradley. | | |
| Geary. | Blaine. | 1,546 | 1 | 58.6 | 85 | 5† | 20 | 29 | 37† | 1.67 | — | 0.61 | T. | 9 | 18 | 7 | 6 | O. P. Ruth. | | |
| Goodwell. | Texas. | 3,300 | 2 | 57.2 | 90 | 14 | 16 | 29 | 49 | 0.07 | — | 0.07 | T. | 0 | 1 | 21 | 0 | S. W. Black. | | |
| Guthrie. | Logan. | 1,000 | 20 | 58.4 | —4.6 | 87 | 6 | 21 | 30 | 41 | 3.80 | + 1.00 | 1.45 | T. | 0 | 5 | 16 | 4 | S. E. Snyder. | |
| Guymon. | Texas. | 3,133 | 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | A. L. Mordt. | | |
| Hammon. | Roger Mills. | — | — | 55.7 | — | 88 | 5 | 22 | 29† | 45 | 1.57 | — | 0.53 | T. | 9 | 11 | 10 | 4 | E. G. Commons. | |
| Hartshorne. | Pittsburg. | 700 | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Joe Bradley. | | |
| Healdton. | Carter. | 900 | 19 | 60.1 | —3.3 | 89 | 5† | 20 | 30 | 45 | 5.28 | + 2.48 | 1.65 | T. | 0 | 7 | 12 | 10 | C. H. Head. | |
| Heavener. | Leflore. | 59.4 | — | 59.4 | 89 | 5† | 24 | 30 | 44† | 8.04 | — | 3.32 | T. | 7 | 22 | 2 | 7 | H. S. Bliss. | | |
| Helena. | Alfalfa. | 1,396 | 5 | 58.4 ^d | 86 | 5 | 20 | 29 | 39 | 3.31 | — | 2.60 | T. | 5 | 15 | 12 | 4 | E. C. Seegers. | | |
| Hennessey. | Kingfisher. | 1,166 | 18 | 59.2 ^d | —3.8 | 86 | 5 | 22 | 30 | 38 | 1.82 | — | 0.62 | T. | 0.5 | 5 | 7 | 2 | Mrs. M. C. Parks. | |
| Hobart. | Kiowa. | 1,396 | 10 | 59.2 | 86 | 6 | 23 | 29 | 45 | 2.03 | — | 1.20 | T. | 8 | 10 | 15 | 6 | J. M. Pate. | | |
| Holdenville. | Hughes. | 1,390 | 12 | 58.4 | —3.5 | 85 | 2 | 25 | 30 | 35 | 2.78 | + 0.06 | 0.82 | T. | 0 | 9 | 20 | 8 | Eula L. Rutherford. | |
| Hooker. | Texas. | 3,038 | 7 | 54.7 | 86 | 15 | 28 | 29 | 36 | 4.84 | — | 0.20 | T. | 3 | 2 | 14 ^a | 14 ^a | H. N. Kelly. | | |
| Hugo. | Choctaw. | 59.0 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Dr. A. H. Davis. | | |
| Hurley. | Cimarron. | 4,200 | 5 | 53.2 | 83 | 13 | 17 | 29 | 42 | 1.90 | — | 1.70 | T. | 2 | 12 | 11 | 5 | Dr. C. W. Meyers. | | |
| Idabel. | McCurtain. | 474 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | W. S. Ray. | | |
| Jefferson. | Grant. | 1,062 | 19 | 56.9 | —2.3 | 86 | 6 | 21 | 29 | 43 | 2.49 | — | 1.46 | T. | 1 | 6 | 16 | 11 | T. F. Beck. | |
| Kenton. | Cimarron. | 4,000 | 12 | 54.0 | —2.1 | 86 | 14 | 24 | 30 | 53 | 0.70 | — | 0.12 | T. | 0 | 10 | 13 | 8 | Ralph H. Guy. | |
| Kingfisher. | Kingfisher. | 1,046 | 16 | 60.0 | —3.0 | 89 | 5 | 22 | 29† | 41 | 4.24 | + 1.43 | 2.53 | T. | 1.5 | 8 | 10 | 5 | J. C. Cross. | |
| Lawton. | Comanche. | 1,111 | — | 57.0 | 86 | 4† | 24 | 30 | 49 | 2.19 | — | 0.70 | T. | 0 | 8 | 20 | 5 | Frank M. Head. | | |
| Lawtonka Lake. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | W. S. Kessler. | | |
| McAlester. | Pittsburg. | 698 | 16 | 59.6 | 89 | 8 | 25 | 30 | 38 | 3.88 | — | 0.08 | T. | 1.28 | T. | 7 | 21 | 1 | 9 | Wm. Noble. |
| Mangum. | Greer. | 1,585 | 20 | 57.0 | —5.8 | 88 | 6 | 25 | 30 | 41 | 3.64 | + 1.17 | 1.50 | T. | 0 | 7 | 16 | 2 | Dr. J. H. Baugh. | |
| Marlow. | Stephens. | 1,292 | 12 | 58.2 | —4.7 | 88 | 2 | 25 | 30 | 41 | 3.64 | + 1.17 | 1.50 | T. | 0 | 7 | 16 | 2 | Dr. R. N. Schooling. | |
| Meeker. | Lincoln. | 1,030 | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Dr. J. H. Randall. | | |
| Muskogee (1). | Muskogee. | 59.6 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | Thos. Martin. | | |
| Muskogee (2). | do. | 614 | 14 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | R. N. Schooling. | | |
| Muskogee (3). | Woodward. | 5 | 58.4 | 88 | 5 | 28 | 30 | 39† | 40† | 2.10 | — | 1.20 | T. | 3 | 16 | 10 | 5 | J. E. Laird. | | |
| Neola. | Caddo. | 5 | 59.4 | 87 | 6 | 22 | 29 | 41 | 40 | 2.08 | — | 0.92 | T. | 0.7 | 5 | 12 | 10 | 3 | R. N. Schooling. | |
| Newkirk. | Kay. | 1,149 | 15 | 58.6 | —3.2 | 86 | 2 | 21 | 29 | 38 | 2.66 | + 0.36 | 0.95 | T. | 1.2 | 7 | 14 | 13 | H. P. Albright & Co. | |
| Norman. | Cleveland. | 1,171 | 15 | 58.6 | —4.3 | 86 | 6 | 23 | 30 | 41 | 2.89 | — | 0.35 | T. | 1.00 | 1 | 13 | 5 | S. E. Boyd. | |
| North Muskogee. | Muskogee. | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | J. M. Cantrel. | | |
| Oakwood. | Garvin. | 12 | 59.5 | —3.1 | 87 | 2† | 22 | 30 | 43 | 4.98 | — | 5.24 | — | 0 | 8 | 12 | 8 | 5 | A. M. Foss. | |
| Okeeene. | Blaine. | 1,854 | 3 | 54.5 | 83 | 2† | 18 | 30 | 42 | 1.31 | — | 3.56 | 0 | 9 | 16 | 10 | 5 | R. C. Block. | | |
| Okemah. | Blaine. | 1,194 | 8 | 56.4 | 88 | 5 | 21 | 29 | 39 | 0.80 | — | 0.17 | T. | 0 | 8 | 15 | 7 | S. E. Laird. | | |
| Okfuskee. | — | 57.4 | — | 89 | 8 | 23 | 29 | 37 | 4.55 | — | 2.65 | — | 0 | 7 | 18 | 6 | 6 | Roy Kagay. | | |
| Oklahoma. | Oklahoma. | 1,247 | 23 | 57.4 | —3.0 | 84 | 2 | 22 | 29 | 31 | 2.62 | + 0.71 | 1.20 | 1.3 | 7 | 9 | 14 | 8 | U. S. Weather Bureau. | |
| Okmulgee. | Okmulgee. | 752 | 8 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | J. L. Maynard. | | |
| Pauls Valley. | Garvin. | 880 | 12 | 59.5 | —3.1 | 87 | 2† | 22 | 30 | 43 | 3.56 | + 0.54 | 0.93 | T. | 0 | 9 | 16 | 10 | A. M. Foss. | |
| Pawhuska. | Osage. | 918 | 12 | 59.0 | —1.7 | 89 | 5† | 20 | 29† | 52 | 4.15 | + 0.32 | 2.18 | T. | 7 | 14 | 13 | 4 | V. H. Kirkendall. | |
| Perry. | Noble. | 920 | 14 | 60.1 | —2.1 | 86 | 21 | 30 | 47† | 2.80 | — | 0.45 | T. | 6 | 9 | 15 | 7 | E. M. Perry. | | |
| Rankin. | Roger Mills. | 2,200 | 9 | 56.0 | — | 86 | 6 | 16 | 29 | 38 | 2.43 | — | 1.30 | T. | 0.2 | 12 | 10 | 3 | H. E. Averill. | |
| Ravia. | Johnston. | 796 | 10 | 59.4 | —2.0 | 94 | 2 | 21 | 30 | 40 | 2.09 | — | 2.05 | T. | 8 | 17 | 5 | 9 | Mrs. Zuma Bloomer. | |
| Se and Fox Agency. | Lincoln. | 900 | 19 | 59.8 | —2.0 | 94 | 2 | 23 | 30 | 35 | 4.38 | + 0.26 | 1.35 | T. | 8 | 9 | 17 ^a | 17 ^a | A. J. Wofford. | |
| Shawnee. | Pottawatomie. | 1,041 | 11 | 56.5 | —5.4 | 85 | 2† | 22 | 29† | 42 | 3.81 | + | | | | | | | | |

TABLE 1.—*Climatological data for October, 1913. District No. 7—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | Precipitation, in inches. | | | | Sky. | Prevailing wind direction. | Observers. | | | | | | | | |
|------------------------|-----------------|------------------|--------------------------|-------------------------------------|----------------------------|----------|-------|---------------------------|-------|-----------------------|--------|-----------------------|----------------------------|-----------------------|-------------------------------|------------------------|----|-----|--------------------------|--------------------------|-------------------------|---------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Greatest in 24 hours. | Total snowfall, unmetted. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | | | | |
| <i>Missouri—Contd.</i> | | | | | | | | | | | | | | | | | | | | | | |
| Goodland. | Iron. | 900 | 9 | 54.3 | — | 82 | 10 | 24 | 31 | 42 | 7.72 | — | 2.00 | 2.0 | 8 | 13 | 2 | 16 | n. | F. M. Adams. | | |
| Hollister. | Taney. | 850 | 4 | 57.3 | — | 86 | 6 | 26 | 29 | 42 | 5.00 | — | 1.35 | 4.0 | 10 | 21 | 0 | 10 | sw. | W. P. Chapman. | | |
| Ironton. | Iron. | 925 | 36 | 54.6 | -1.3 | 83 | 6 | 25 | 31 | 40 | 3.15 | + 5.48 | 1.75 | T. | 11 | 8 | 6 | 17 | n. | W. H. Delano. | | |
| Jackson. | Cape Girardeau. | 458 | 23 | 57.4 | + 0.3 | 88 | 7 | 27 | 31 | 36 | 8.84 | + 5.89 | 2.80 | 0.5 | 9 | 11 | 3 | 17 | n. | L. M. Bean. | | |
| Joplin. | Jasper. | 979 | 58 | 58.8 | -2.1 | 86 | 6 | 24 | 29 | 37 | 4.65 | + 1.36 | 1.50 | 4.0 | 10 | 16 | 7 | 8 | s. | Joplin High School. | | |
| Koshkonong. | Oregon. | 911 | 14 | 57.5 | -2.3 | 83 | 8 | 26 | 29 | 39 | 7.28 | + 4.90 | 1.92 | T. | 11 | 11 | 11 | 11 | n. | J. W. Hitt. | | |
| Lamar. | Barton. | 964 | 32 | 55.8 | -2.9 | 88 | 6† | 21 | 29 | 39 | 3.88 | + 0.87 | 1.20 | 4.0 | 7 | 16 | 5 | 10 | w. | E. H. Adams. | | |
| Marble Hill. | Bollinger. | 420 | 23 | 53.3 | -4.4 | 85 | 7 | 27 | 30 | 43 | 6.25 | + 3.88 | 2.00 | T. | 8 | 18 | 5 | 8 | w. | A. F. Hendriks. | | |
| Mountaintrove. | Wright. | 1,490 | 15 | 55.0 | -2.5 | 82 | 6† | 19 | 29 | 33 | 4.85 | + 2.20 | 1.07 | 6.0 | 10 | 15 | 6 | 10 | nw. | Mo. Fruit Exp. Sta. | | |
| Mount Vernon. | Lawrence. | 1,480 | 37 | 55.2 | -4.2 | 87 | 6 | 21 | 29 | 37 | 3.47 | + 0.15 | 1.31 | 3.0 | 7 | 20 | 21 | 8 | sw. | J. R. White & Son. | | |
| Neosho. | Newton. | 1,023 | 31 | 56.4 | -2.8 | 86 | 6 | 20 | 30 | 41 | 4.08 | + 0.90 | 1.45 | 0.5 | 11 | 20 | 1 | 10 | nw. | W. O. Buck. | | |
| New Madrid. | New Madrid. | 285 | — | — | — | — | — | — | — | — | — | — | 1.00 | 0 | 12 | 15 | 3 | 13 | s. | Miss Josie Smith. | | |
| Oakfield. | Franklin. | 793 | 32 | 55.3 | -3.5 | 82 | 31 | 24 | 31 | 33 | 7.62 | + 5.02 | 2.15 | 3.9 | 12 | 12 | 10 | 10 | n. | E. E. Steines. | | |
| Rolla. | Phelps. | 1,139 | 33 | 54.7 | 0 | 84 | 5† | 21 | 28 | 38 | 5.45 | + 3.01 | 1.97 | 12.0 | 7 | 13 | 8 | 10 | w. | Prof. P. J. Wilkins. | | |
| Springfield. | Greene. | 1,350 | 27 | 55.1 | -2.3 | 88 | 6 | 22 | 29 | 39 | 3.57 | + 0.77 | 1.48 | 3.7 | 9 | 12 | 3 | 11 | s. | U. S. Weather Bureau. | | |
| <i>Kentucky.</i> | | | | | | | | | | | | | | | | | | | | | | |
| Blandville. | Ballard. | 445 | 32 | 57.0 | -1.1 | 83 | 10 | 29 | 31 | 30 | 5.02 | + 2.89 | 1.08 | T. | 10 | 13 | 4 | 14 | sw. | E. W. Horr. | | |
| <i>Tennessee.</i> | | | | | | | | | | | | | | | | | | | | | | |
| Arlington. | Shelby. | 31 | 58.0 | -1.1 | 88 | 9 | 28 | 30 | 37 | 3.77 | + 1.57 | 0.98 | 0 | 7 | 12 | 6 | 13 | s. | A. Thomas B. Etheridge. | | | |
| Bolivar. | Hardeman. | 450 | 57.2 | -2.5 | 88 | 4 | 27 | 21 | 40 | 4.28 | + 1.73 | 1.01 | T. | 9 | 17 | 1 | 13 | sw. | Miss Mary A. Smith. | | | |
| Brownsville. | Haywood. | 361 | 58.4 | -2.0 | 85 | 6 | 26 | 30 | 31 | 5.62 | + 3.16 | 1.53 | T. | 13 | 19 | 2 | 10 | s. | Robert Y. Moses. | | | |
| Covington. | Tipton. | 311 | 57.8 | -2.7 | 84 | 6† | 28 | 30 | 31 | 5.10 | + 2.74 | 1.15 | 0 | 7 | 18 | 0 | 15 | s. | James S. Ruffin. | | | |
| Dyersburg. | Dyer. | 310 | 57.6 | -2.2 | 86 | 7 | 30 | 21 | 34 | 5.15 | + 2.66 | 1.20 | 1.0 | 9 | 15 | 2 | 14 | se. | Miss Martha A. Sinclair. | | | |
| Jackson. | Madison. | 450 | 59.0 | -1.3 | 89 | 9 | 27 | 21 | 42 | 3.73 | + 1.28 | 1.40 | T. | 7 | 13 | 9 | 9 | s. | Shelby A. Robert. | | | |
| Kanton. | Obion. | 325 | 57.0 | -3.7 | 88 | 10 | 26 | 30 | 36 | 3.48 | + 0.68 | 1.10 | 3.0 | 8 | 14 | 6 | 11 | s. | George S. Martin. | | | |
| Memphis. | Shelby. | 409 | 60.6 | -1.9 | 88 | 9 | 28 | 30 | 26 | 3.53 | + 0.79 | 1.17 | 0 | 11 | 11 | 7 | 13 | s. | U. S. Weather Bureau. | | | |
| Milan. | Gibson. | 440 | 51 | 56.8 | -1.9 | 85 | 6 | 23 | 31 | 34 | 5.08 | + 2.58 | 1.37 | T. | 9 | 13 | 7 | 11 | s. | Orlando F. Cautwell. | | |
| Trenton. | do. | 345 | 53 | 59.2 | + 0.3 | 90 | 6 | 28 | 21 | 39 | 4.08 | + 1.27 | 1.28 | 2.0 | 7 | 14 | 6 | 11 | nw. | F. L. Dennison. | | |
| Union City. | Obion. | 360 | 18 | 56.5 | -4.3 | 88 | 8† | 28 | 30 | 41 | 5.70 | + 3.24 | 1.33 | T. | 12 | 11 | 14 | 6 | se. | J. R. Oliver. | | |
| <i>Arkansas.</i> | | | | | | | | | | | | | | | | | | | | | | |
| Alicia. | Lawrence. | 8 | 58.8 | — | 84 | 9 | 30 | 21 | 37 | 6.36 | — | 2.00 | 0 | 8 | 17 | 8 | 6 | s. | McCullough & Guelck. | | | |
| Amity. | Clark. | 250 | 23 | 58.8 | -4.4 | 85 | 9 | 28 | 29† | 36 | 3.26 | + 0.32 | 1.60 | 0 | 5 | 7 | 11 | 13 | s. | J. W. Campbell. | | |
| Arkadelphia. | do. | 250 | — | — | — | — | — | — | — | — | — | — | 4.59 | 2.10 | 0 | 6 | — | — | s. | F. J. Carpenter. | | |
| Arkansas City. | Deshs. | 145 | 29 | — | — | — | — | — | — | — | — | — | 4.14 | + 2.50 | 0.83 | 0 | 12 | — | — | s. | W. C. Blundell. | |
| Batesville. | Independence. | 271 | 15 | — | — | — | — | — | — | — | — | — | 6.65 | + 3.61 | 3.32 | 0 | 8 | — | — | s. | Leila J. Teter. | |
| Bee Branch. | Van Buren. | 32 | 60.2 | -2.2 | 87 | 8 | 28 | 21† | 39 | 5.55 | + 3.15 | 1.60 | 0 | 8 | 12 | 5 | 14 | s. | J. E. Scanlan. | | | |
| Bentonville. | Benton. | 1,303 | 8 | 55.4 | -2.8 | 84 | 6 | 21 | 30 | 38 | 4.59 | + 1.78 | 1.54 | 3.7 | 9 | 13 | 9 | 9 | s. | U. S. Weather Bureau. | | |
| Bergman. | Boone. | 1,324 | 15 | 57.4 | -0.7 | 86 | 6 | 23 | 29† | 46 | 5.78 | + 3.58 | 1.84 | 8.0 | 10 | 13 | 9 | 9 | nw. | John T. Maxey. | | |
| Black Rock. | Lawrence. | 259 | 11 | 59.0 | -1.3 | 89 | 9 | 27 | 30 | 42 | 7.37 | + 5.33 | 2.62 | 0 | 9 | 11 | 1 | 1 | s. | S. J. Howe. | | |
| Brinkley. | Monroe. | 226 | 27 | 60.7 | -1.2 | 89 | 9 | 27 | 30 | 42 | 4.92 | + 2.48 | 1.29 | 0 | 11 | 14 | 13 | 4 | s. | H. L. D. Whitton. | | |
| Calico Rock. | Izard. | 361 | 10 | — | — | — | — | — | — | — | — | — | 7.25 | 2.50 | 0 | 4 | — | — | s. | J. W. Wray. | | |
| Camden. | Ouachita. | 158 | 28 | 62.4 | -1.0 | 93 | 8 | 27 | 30 | 41 | 4.36 | + 2.00 | 1.54 | 0 | 10 | 10 | 10 | 10 | s. | R. H. Quarterman. | | |
| Centerpoint. | Howard. | 470 | 14 | 61.6 | -3.3 | 90 | 8 | 27 | 30 | 35 | 3.29 | + 0.36 | 1.20 | 0 | 4 | 13 | 8 | 10 | se. | J. M. Huddleston. | | |
| Clarendon. | Monroe. | 171 | 9 | — | — | — | — | — | — | — | — | — | 5.12 | 1.36 | 0 | 14 | — | — | s. | Mrs. B. E. Bishop. | | |
| Conway. | Faulkner. | 309 | 30 | 59.9 | -1.2 | 84 | 9† | 29 | 30 | 35 | 7.19 | + 5.02 | 2.00 | 0 | 15 | 12 | 11 | 8 | nw. | G. H. Burr. | | |
| Corning. | Clay. | 293 | 29 | — | — | — | — | — | — | — | — | — | 7.38 | + 4.91 | 2.20 | 0 | 13 | 14 | 5 | 12 | w. | Jacob Brobst. |
| Dardanelle. | Yell. | 330 | 21 | 61.2 | — | 89 | 24 | 28 | 30 | 43 | 4.15 | + 1.85 | 1.32 | 0 | 7 | — | — | — | n. | A. Bernard. | | |
| Dodd City. | Dodd. | 1,175 | 32 | 57.6 | -2.6 | 84 | 5† | 24 | 28 | 37 | 4.93 | + 1.98 | 1.54 | 1.2 | 7 | — | — | — | n. | Neal Dodd. | | |
| Dumas. | Desha. | 2 | — | — | — | — | — | — | — | — | — | — | 5.32 | 1.75 | 0 | 19 | 10 | 2 | — | n. | Lawrence Waterman. | |
| Dutton. | Madison. | 12 | 54.6 | -5.0 | 84 | 6 | 18 | 30 | 42 | 7.83 | + 4.95 | 2.00 | 7.0 | 0 | 11 | 18 | 5 | 8 | s. | J. M. Ricketts. | | |
| Eldorado. | Union. | 265 | 9 | 82.5 | — | 88 | 8 | 30 | 30 | 38 | 4.61 | — | 1.60 | 0 | 7 | — | — | — | s. | Jeff J. Babb. | | |
| England. | Lonoke. | 6 | 61.9 | — | 87 | 9 | 29 | 30 | 36 | 5.26 | — | 1.90 | 0 | 7 | — | — | — | — | s. | J. C. Chenuit. | | |
| Eureka Springs. | Carroll. | 1,465 | 12 | 57.8 | -1.6 | 89 | 6† | 22 | 30 | 43 | 4.70 | + 2.07 | 1.14 | 6.0 | 0 | 10 | 14 | 8 | 9 | nw. | George W. Nichols. | |
| Fayetteville. | Washington. | 1,451 | 24 | 57.2 | -3.2 | 86 | 6 | 21 | 30 | 37 | 4.18 | + 1.13 | 1.13 | 2.0 | 0 | 12 | 17 | 5 | 9 | nw. | University of Arkansas. | |
| Fordyce. | Dallas. | 3 | 63.0 | — | 89 | 16 | 31 | 30 | 35 | 5.90 | — | 2.60 | 0 | 7 | 7 | 12 | 12 | 12 | s. | J. R. Atkinson. | | |
| Fort Smith. | Sebastian. | 481 | 32 | 60.2 | -1.5 | 88 | 5 | 28 | 30 | 39 | 3.71 | + 0.88 | 1.13 | T. | 8 | 14 | 4 | 13 | o. | U. S. Weather Bureau. | | |
| Fulton. | Hempstead. | 264 | 27 | — | — | — | — | — | — | — | — | — | 2.28 | + 0.33 | 1.24 | 0 | 3 | — | — | s. | B. C. Logan. | |
| Georgetown. | White. | 200 | 1 | — | — | — | — | — | — | — | — | — | 1.50 | 0 | 11 | — | — | — | — | s. | Wm. N. Harris. | |
| Hardy. | Sharp. | 643 | 17 | 58.4 | -2.8 | 87 | 2† | 26 | 30 | 36 | 6.65 | + 4.24 | 1.90 | T. | 13 | 4 | 12 | 15 | nw. | C. A. Caywood. | | |
| Helena. | Phillips. | 182 | 41 | — | — | — | — | — | — | — | — | — | 2.64 | + 0.30 | 1.03 | 0 | 10 | — | — | s. | W. Schwarz. | |
| Hot Springs. | Garland. | 600 | 23 | 68.2 | 0.0 | 87 | 11 | 33 | 31 | 42 | 6.12 | + 3.50 | 1.45 | 0 | 7 | 15 | 13 | 3 | sw. | Army and Navy Gen. Hosp. | | |
| Huttig. | Union. | 85 | 6 | 63.0 | — | 88 | 8 | 32 | 28 | 38 | 6.27 | — | 2.41 | 0 | 12 | — | — | — | s. | C. A. Berry. | | |
| Jonesboro. | Craighead. | 345 | 18 | 60.4 | -1.4 | 88 | 9† | 28 | 30 | 38 | 7.22 | + 4.56 | 1.72 | 7 | 4 | 17 | 10 | 8 | se. | Benedictine Sisters. | | |
| Junction. | Union. | 20 | 63.2 | -0.3 | 86 | 8† | 30 | 30 | 30 | 4.26 | + 1.04 | 1.75 | 0 | 4 | 12 | 4 | 15 | n. | J. A. Lowerback. | | | |
| Lake Farm. | Jefferson. | 195 | 5 | — | — | — | — | — | — | — | — | — | 5.61 | — | 10 | — | — | — | — | s. | G. L. Spellman. | |
| Lewisville. | Lafayette. | 262 | 10 | 64.2 | — | 91 | 8 | 30 | 29 | 38 | 2.79 | — | 1.45 | 0 | 8 | 16 | 7 | 8 | se. | F. W. Youmans. | | |
| Littie Rock. | Pulaski. | 357</td | | | | | | | | | | | | | | | | | | | | |

TABLE 1.—Climatological data for October, 1913. District No. 7—Continued.

| Stations. | Counties. | Elevation, feet. | Length of record, years | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | |
|---------------------|-------------------|------------------|-------------------------|-------------------------------------|----------------------------|----------|-------|---------|-------|---------------------------|--------|----------------------------|-----------------------|-----------------------------|-----------------------|-----------------------|-------------------------------|------------------------|--------------------------|---------------------------|
| | | | | Mean. | Departure from the normal. | Highest. | Date. | Lowest. | Date. | Greatest daily range. | Total. | Departure from the normal. | Greatest in 24 hours. | Total snowfall, unmeasured. | Number of rainy days. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | |
| Mississippi. | | | | | | | | | | | | | | | | | | | | |
| Anguilla. | Sharkey. | 107 | 5 | 63.9 | - | 88 | 8 | 28 | 30 | 36 | 3.68 | + 1.63 | 1.25 | 0 | 11 | 13 | 9 | 9 | n. | E. W. Cook. |
| Austin. | Tunica. | 200 | 17 | 59.0 | - 3.6 | 88 | 9 | 29 | 21† | 38 | 3.91 | + 1.46 | 1.30 | 0 | 10 | 16 | 8 | 7 | nw. | H. J. Irvine. |
| Batesville. | Panola. | 230 | 26 | 61.0 | - 0.3 | 88 | 8† | 29 | 28† | 39 | 5.17 | + 3.45 | 1.30 | 0 | 12 | 16 | 3 | 12 | n. | J. M. Cox. |
| Big Creek. | Cahoun. | 2 | | | | | | | | | | | | | | | | | J. P. Havens. | |
| Canton. | Madison. | 228 | 23 | 63.0 | - 1.4 | 89 | 9† | 29 | 28 | 41 | 4.62 | + 0.46 | 1.72 | 0 | 6 | 13 | 9 | 9 | se. | Dr. G. W. Smith-Vanz. |
| Charleston. | Tallahatchie. | 3 | 31 | 61.2 | - | 88 | 9 | 27 | 30 | 38 | 4.26 | - | 1.30 | 0 | 11 | 14 | 0 | 23 | s. | W. B. Burke. |
| Clarksdale. | Coahoma. | 177 | 6 | 60.8 | - | 88 | 9 | 29 | 30 | 36 | 4.26 | - | 1.30 | 0 | 10 | 8 | 0 | 23 | se. | A. C. Tuttle. |
| Cleveland. | Bolivar. | 160 | 1 | | | | | | | | | | | | | | | | W. W. Boone. | |
| Coffeeville. | Yalobusha. | 241 | 4 | | | | | | | | | | | | | | | | C. K. Bailey. | |
| Corinth. | Alcorn. | 470 | 25 | 58.3 | - 2.1 | 88 | 6 | 28 | 21 | 38 | 3.92 | + 1.84 | 1.60 | 0 | 12 | 13 | 6 | 12 | se. | M. A. Candler. |
| Crenshaw. | Panola. | 187 | 4 | | | | | | | | | | | | | | | | Rodgers Woolard. | |
| Duck Hill. | Montgomery. | 14 | 61.4 | - 0.8 | 87 | 7† | 26 | 30 | 39 | 3.69 | + 1.95 | 1.05 | 0 | 8 | 12 | 6 | 8 | n. | W. H. Eskridge. | |
| Edwards. | Hinds. | 222 | 26 | 63.2 | - 2.2 | 88 | 8† | 29 | 30 | 40 | 4.34 | + 1.90 | 1.71 | 0 | 11 | 12 | 11 | 8 | s. | E. F. Farr. |
| Fayette. | Jefferson. | 270 | 12 | | | | | | | | | | | | | | | | T. L. Darden. | |
| Greenville. | Washington. | 126 | 26 | 62.7 | - 1.5 | 89 | 9 | 32 | 28 | 36 | 4.30 | + 2.27 | 1.34 | 0 | 15 | 12 | 6 | 13 | w. | M. G. Harbison. |
| Greenwood. | Leflore. | 140 | 13 | 61.6 | - 1.9 | 89 | 8† | 30 | 21† | 38 | 3.81 | + 1.99 | 1.10 | 0 | 8 | 12 | 6 | 13 | s. | J. H. Stephen. |
| Grenada. | Grenada. | 124 | | | | | | | | | | | | | | | | | W. F. Hallam. | |
| Hernando. | De Soto. | 391 | 25 | 60.0 | - 2.4 | 88 | 9 | 28 | 30 | 34 | 3.91 | + 1.57 | 1.21 | 0 | 8 | 12 | 8 | 11 | s. | W. F. Wood. |
| Hickory Flat. | Benton. | 435 | 4 | | | | | | | | | | | | | | | | H. Powell. | |
| Holly Bluff. | Yazoo. | 5 | | | | | | | | | | | | | | | | W. C. Sharbrough. | | |
| Holly Springs. | Marshall. | 600 | 26 | 58.4 | - 3.4 | 83 | 9† | 28 | 30 | 33 | 3.94 | + 1.87 | 1.26 | 0 | 12 | 8 | 8 | 15 | se. | L. B. Mosby. |
| Kosciusko. | Attala. | 430 | 23 | 60.3 | - 2.0 | 88 | 9 | 27 | 21 | 44 | 4.04 | - | 0.17 | 1.10 | 0 | 19 | 6 | 6 | e. | E. L. Lucas. |
| Malone. | Marshall. | 4 | | | | | | | | | | | | | | | | | M. J. Wilkins. | |
| Moorhead. | Sunflower. | 117 | | 60.8 | - | 88 | 7† | 27 | 21 | 40 | 3.73 | - | 1.58 | 0 | 7 | | | | H. S. Gove. | |
| Natchez. | Adams. | 206 | 25 | 63.5 | - 3.6 | 89 | 6 | 33 | 28 | 34 | 3.84 | + 1.21 | 1.07 | 0 | 9 | 10 | 2 | 19 | se. | Catherine E. Garrity. |
| Pontotoc. | Pontotoc. | 475 | 24 | 60.4 | - 1.9 | 88 | 9† | 28 | 28† | 30 | 3.84 | + 2.26 | 1.00 | 0 | 6 | 14 | 11 | 6 | nw. | Dr. C. W. Bolton. |
| Port Gibson. | Claiborne. | 116 | 25 | 61.8 | - 2.4 | 87 | 8† | 30 | 28 | 40 | 3.06 | + 1.04 | 0.78 | 0 | 12 | 10 | 5 | 16 | nw. | H. H. Crisler. |
| Rosedale. | Bolivar. | 143 | 5 | 61.1 | - | 88 | 9 | 31 | 30 | 39 | 4.64 | - | 1.50 | 0 | 12 | 13 | 1 | 17 | sw. | T. J. Murray. |
| Shoecoe. | Madison. | 10 | 63.6 | - 0.8 | 87 | 10 | 30 | 30 | 36 | 4.94 | + 0.70 | 1.55 | 0 | 4 | 18 | 5 | 8 | s. | J. C. Pitchford. | |
| Suffolk. | Franklin. | 13 | 63.9 | - 2.2 | 87 | 6 | 31 | 28† | 37 | 3.56 | + 1.15 | 1.50 | 0 | 12 | 11 | 8 | 9 | nw. | Prof. Geo. H. Kent. | |
| Swan Lake. | Tallahatchie. | 148 | 8 | | | | | | | | | | | | | | | | W. R. Harris. | |
| Tchula. | Holmes. | 130 | 8 | 62.8 | - | 88 | 9 | 27 | 30 | 41 | 2.22 | - | 0.67 | 0 | 6 | 7 | 22 | 2 | n. | Dr. M. P. Winkler. |
| Utica. | Lafayette. | 503 | 20 | | | | | | | | | | | | | | | | Dr. J. B. Dudley. | |
| Vicksburg. | Hinds. | 287 | 9 | 63.6 | - | 89 | 7 | 31 | 28 | 38 | 6.15 | - | 4.00 | 0 | 8 | 8 | 11 | 12 | se. | U. S. Weather Bureau. |
| Water Valley. | Warren. | 247 | 42 | 63.2 | - 2.1 | 87 | 8 | 34 | 30 | 32 | 2.17 | - 0.63 | 0.77 | 0 | 11 | 10 | 10 | 11 | se. | Miss Loula Erikson. |
| Woodville. | Yalobusha. | 300 | 24 | 60.3 | - 2.6 | 87 | 8† | 29 | 21† | 37 | 7.35 | + 4.84 | 2.00 | 0 | 8 | 13 | 7 | 11 | nw. | James E. Lee. |
| Yazoo City. | Wilkinson. | 580 | 20 | 64.4 | - 2.2 | 88 | 6 | 35 | 30 | 31 | 3.86 | + 1.19 | 2.03 | 0 | 12 | 19 | 8 | 4 | se. | W. H. Courts. |
| Louisiana. | | | | | | | | | | | | | | | | | | | | |
| Abbeville. | Vermilion. | 18 | 25 | 65.2 | - 3.7 | 86 | 6 | 37 | 30† | 27 | 8.84 | + 5.51 | 3.35 | 0 | 18 | 11 | 8 | 12 | e. | Hon. C. J. Edwards. |
| Alexandria. | Rapides. | 77 | 25 | 63.2 | - 3.0 | 87 | 6 | 34 | 31 | 33 | 3.73 | + 0.63 | 1.25 | 0 | 7 | 10 | 3 | 18 | n. | Miss Nellie Graham. |
| Amite. | Tangipahoa. | 130 | 25 | 64.2 | - 2.2 | 90 | 6 | 32 | 28 | 38 | 2.80 | + 0.33 | 1.10 | 0 | 7 | 16 | 12 | 3 | n. | Miss L. M. Wentz. |
| Angola. | West Feliciana. | | | | | | | | | | | | | | | | | | Capt. John Brogan. | |
| Antioch. | Claiborne. | 1 | 63.4 | - | | 91 | 8 | 29 | 30 | 39 | 4.69 | - | 1.55 | 0 | 10 | 17 | 0 | 14 | s. | W. L. Anglin. |
| Avoca Island. | St. Mary. | 9 | 2 | | | | | | | | | | | | | | | | J. N. Pharr & Sons. | |
| Baton Rouge. | E. Baton Rouge. | 60 | 25 | 66.8 | - 1.1 | 93 | 6 | 35 | 28† | 34 | 5.93 | + 1.69 | 2.73 | 0 | 13 | 17 | 4 | 10 | e. | Elmo M. Bott. |
| Burnside. | Ascension. | 20 | 13 | 66.8 | - 1.6 | 92 | 6 | 34 | 28 | 30† | 6.81 | + 3.90 | 3.00 | 0 | 10 | 15 | 5 | 11 | e. | C. S. McFarland. |
| Burwood. | Plaquemines. | 1 | 70.0 | - 3.5 | 87 | 9 | 50 | 28 | 19 | 5.56 | + 1.41 | 2.04 | 0 | 6 | 23 | 3 | 5 | se. | Graham Myers. | |
| Cales. | St. Martin. | 3 | 67.1 | - | | 90 | 6 | 38 | 28† | 32 | 4.41 | - | 2.04 | 0 | 10 | 20 | 4 | 7 | n. | C. E. Smedes. |
| Calhoun. | Ouachita. | 180 | 25 | 63.3 | - 1.3 | 87 | 7 | 31 | 28† | 36 | 4.78 | + 2.52 | 1.31 | 0 | 13 | 8 | 15 | 9 | nw. | North Louisiana Exp. Sta. |
| Cameron. | Cameron. | 6 | 20 | 67.2 | - 2.8 | 90 | 7 | 35 | 21 | 39 | 4.96 | + 4.05 | 2.14 | 0 | 9 | 17 | 10 | 4 | nw. | Adolph Brucket. |
| Cheneyville. | Rapides. | 67 | 25 | 64.4 | - 1.4 | 91 | 6 | 32 | 28 | 31 | 5.11 | + 3.22 | 1.24 | 0 | 8 | 12 | 5 | 14 | e. | Loyola College. |
| Cinclare. | West Baton Rouge. | 3 | 65.3 | - 2.5 | 86 | 6 | 34 | 27 | 40 | 5.64 | - | 2.40 | 0 | 11 | 14 | 5 | 12 | e. | Walter I. Tanner. | |
| Clinton. | East Feliciana. | 113 | 25 | 64.2 | - 2.5 | 87 | 6 | 32 | 28† | 34 | 5.74 | + 3.24 | 2.28 | 0 | 12 | 12 | 5 | 14 | e. | Cinderle Central Factory. |
| Collinston. | Morehouse. | 65 | 12 | 64.6 | - 0.3 | 90 | 8† | 32 | 30 | 37 | 3.86 | + 1.72 | 1.00 | 0 | 9 | 13 | 5 | 13 | s. | John A. White. |
| Covington. | St. Tammany. | 39 | 21 | 65.1 | - 1.7 | 92 | 6 | 34 | 28† | 38 | 4.92 | + 2.15 | 2.50 | 0 | 4 | 19 | 4 | 8 | n. | J. B. Reilly. |
| Doiron. | Winn. | 4 | 64.5 | - | | 89 | 6† | 33 | 28 | 41 | 5.20 | - | 2.12 | 0 | 9 | 9 | 9 | 14 | s. | Cecile P. Champagne. |
| Donaldsonville. | Ascension. | 33 | 25 | | | | | | | | | | | | | | | | John F. Park. | |
| Dutchtown. | do. | 2 | | | | | | | | | | | | | | | | | Picard & Gelsmar (Ltd.). | |
| Farmerville. | Union. | 177 | 25 | 62.2 | - 1.6 | 85 | 8† | 32 | 27 | 34 | 6.20 | + 3.52 | 2.52 | 0 | 8 | 12 | 8 | 11 | n. | W. P. Chandler. |
| Florence. | Vermilion. | 1 | 67.2 | - | | 90 | 6 | 40 | 26† | 34 | 9.70 | - | 5.10 | 0 | 12 | 6 | 17 | 8 | se. | White Lake Land Co. |
| Franlin. | St. Mary. | 10 | 21 | 67.2 | - 1.6 | 92 | 6 | 37 | 28 | 38 | 8.50 | + 5.37 | 3.00 | 0 | 12 | 13 | 3 | 15 | e. | Miss J. M. Bonney. |
| Franklin. | Washington. | 3 | 65.0 | - | | 90 | 6 | 34 | 30 | 38 | 2.23 | - | 1.93 | 0 | 4 | 20 | 0 | 11 | n. | Odgen C. Doremus. |
| Grand Cane. | De Soto. | 302 | 19 | 56.8 | - 3.4 | 86 | 7† | 24 | 28 | 43 | 3.22 | + 0.44 | 1.05 | 0 | 7 | 15 | 3 | 13 | n. | G. Foster Provost. |
| Grand Coteau. | St. Landry. | 93 | 25 | 66.3 | - 1.4 | 91 | 6 | 37 | 31 | 32 | 7.67 | + 4.61 | 3.20 | 0 | 10 | 14 | 5 | 12 | ne. | St. Charles College. |
| Hammond. | Tangipahoa. | 44 | 21 | 66.2 | - 0.7 | 93 | 6 | 35 | 21† | 37 | 3.25 | + 0.87 | 2.90 | 0 | 2 | 23 | 3 | 5 | se. | C. C. Carr. |
| Houma. | Terrebonne. | 25 | | | | | | | | | | | | | | | | | Prof. John F. Foote. | |
| Jeanerette. | Iberia. | 15 | 69.6 | + 1.0 | 89 | 7 | 43 | 28 | 33 | 5.22 | + 0.27 | 1.20 | 0 | 4 | 17 | 5 | 9 | se. | Capt. E. B. Trotman. | |
| Jena. | La Salle. | 30 | 16 | 66.3 | - 2.3 | 96 | 6 | 39 | 27† | 34 | 5.70 | + 1.96 | 1.60 | 0 | 10 | 8 | 13 | 10 | n. | C. Estus Wilbanks. |
| Jennings. | Calcasieu. | | | | | | | | | | | | | | | | | | J. F. Buch. | |
| Laark. | Morehouse. | 1 | 61.6 | - | | 90 | 9 | 30 | 20† | 37 | 3.04 | - | 1.25 | 0 | 4 | 20 | 0 | 11 | n. | P. M. Donley. |
| Lafayette. | Lafayette. | 36 | 25 | 65.6 | - 2.2 | 88 | 6 | 36 | 28 | 33 | 8.84 | + 5.8 | | | | | | | | |

TABLE 1.—*Climatological data for October, 1913. District No. 7—Continued.*

| Stations. | Counties. | Elevation, feet. | Length of record, years. | Temperature, in degrees Fahrenheit. | | | | | | Precipitation, in inches. | | | | | | Sky. | Prevailing wind direction. | Observers. | | |
|-------------------------|-------------------|------------------|--------------------------|-------------------------------------|-------|---------|----------------------------|-------|-----------------------|---------------------------|--------|-----------------------|----------------------------|---|-----------------------|-------------------------------|----------------------------|---------------------------|--|--|
| | | | | Mean. | | | Departure from the normal. | | | Total. | | | Departure from the normal. | | | | | | | |
| | | | | Highest. | Date. | Lowest. | Greatest daily range. | Date. | Greatest in 24 hours. | Total. | Date. | Greatest in 24 hours. | Total. | Number of rainy days 0.01 inch or more. | Number of clear days. | Number of partly cloudy days. | Number of cloudy days. | | | |
| <i>Louisiana—Contd.</i> | | | | | | | | | | | | | | | | | | | | |
| Ioserve. | St. John Baptist. | 12 | 69.2 | + 1.4 | 98 | 10 | 33 | 28 | 48 | 6.07 | + 3.92 | 2.09 | 0 | 0 | 12 | 11 | 8 | Leon Godchaux Co. (Ltd.). | | |
| Richland Plantation. | Rapides. | 1 | 65.8 | ..... | 90 | 7+ | 34 | 28† | 35 | 4.45 | ..... | 1.00 | 0 | 11 | 16 | 4 | 11 | nw. A. B. Pendleton. | | |
| Robeline. | Natchitoches. | 147 | 17 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | Anna R. McCook. | | |
| Ruston. | Lincoln. | 312 | 18 | 64.0 | - 2.1 | 90 | 8 | 32 | 29 | 42* | 3.78 | + 1.07 | 1.12 | 0 | 9 | 20 | 3 | 8 se. | | |
| St. Francisville. | West Feliciana. | 115 | 10 | 66.4 | ..... | 91 | 7 | 35 | 28† | 40 | 5.87 | ..... | 2.70 | 0 | 12 | 16 | 13 | 2 Andor M. Larson. | | |
| St. Gabriel. | Iberia. | 67.8 | ..... | 88 | 6 | 41 | 30 | 23 | 2.20 | ..... | 1.50 | 0 | 6 | 15 | 1 | 15 c. | | | | |
| Schriever. | Terrebonne. | 17 | 21 | 66.4 | - 1.8 | 90 | 6 | 35 | 28 | 39 | 9.15 | + 5.80 | 4.00 | 0 | 6 | 22 | 1 | 8 G. W. Newman. | | |
| Shreveport. | Caddo. | 249 | 42 | 63.6 | - 2.0 | 88 | 10 | 34 | 30 | 30 | 2.05 | - 0.23 | 0.87 | 0 | 9 | 14 | 7 | 10 Capt. J. B. Murphy. | | |
| Simmesport. | Avoyelles. | 42 | 7 | ..... | ..... | ..... | ..... | ..... | ..... | 5.13 | ..... | 1.01 | 0 | 12 | 7 | 0 | 24 e. | | | |
| Southern Univ. Farm. | Jefferson. | 16 | ..... | ..... | ..... | ..... | ..... | 3.80 | + 1.41 | 1.50 | 0 | 5 | 16 | 5 | 10 | William H. Gautreaux. | | | | |
| Sugartown. | Calcasieu. | 20 | 66.0 | - 1.2 | 86 | 6† | 34 | 20† | 31 | 4.87 | + 1.89 | 1.54 | 0 | 7 | 12 | 15 | 4 U. S. Weather Bureau. | | | |
| Tillulah. | Madison. | 91 | 6 | 63.2 | ..... | 88 | 9 | 29 | 30 | 36 | 3.25 | ..... | 0.03 | 0 | 13 | 24 n. | | | | |
| Walker. | Livingston. | 3 | 62.3 | ..... | 93 | 6 | 24 | 28 | 46 | 3.64 | ..... | 1.56 | 0 | 8 | 16 | 11 | 4 Cassius T. Leigh. | | | |

a, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.10 inch rain or melted snow.

TABLE 2.—*Daily precipitation for October, 1913. District No. 7, Lower Mississippi Valley.*

TABLE 2.—*Daily precipitation for October, 1913. District No. 7—Continued.*

| Stations. | Watershed. | Day of month. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Total. | | |
|-------------------|------------|---------------|------|-----|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|--|------|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
| <i>Texas.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amarillo. | Canadian. | .03 | * | .94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.81 |
| Archer City | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.76 |
| Arthur City | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.68 |
| Bonham. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.84 |
| Canadian. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.15 |
| Childress. | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.51 |
| Chillicothe. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.88 |
| Clarendon | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.55 |
| Clarksville. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.10 |
| Claude. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.67 |
| Dalhart | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.43 |
| Denison | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.02 |
| Finley | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.91 |
| Henrietta | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.37 |
| Jefferson | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.13 |
| Memphis. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.72 |
| Miami. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 |
| Ochiltree. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.16 |
| Paducah. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.82 |
| Panhandle. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.36 |
| Paris | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.78 |
| Plemons. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.60 |
| Quanah | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.37 |
| Ringo Crossing | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.13 |
| Romero. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.72 |
| Sherman | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 |
| Stratford. | Canadian. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.80 |
| Tulia. | Red. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.40 |
| Wellington. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.16 |
| Wichita Falls. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.36 |
| Winfield. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6.02 |
| <i>Kansas.</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alden. | Arkansas. | .08 | .04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.12 |
| Anthony. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.56 |
| Ashland. | Cimarron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.65 |
| Burlington. | Neosho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.24 |
| Chanute. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.58 |
| Cimarron. | Cimarron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.25 |
| Coldwater. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.48 |
| Columbus. | Neosho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.93 |
| Coolidge. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.05 |
| Cottonwood Falls. | Neosho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.55 |
| Council Grove. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.28 |
| Cunningham. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.40 |
| Dodge City. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.30 |
| El Dorado. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.97 |
| Ellinwood. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.32 |
| Emporia. | Neosho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5.59 |
| Eureka. | Verdigris. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.78 |
| Fall River. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.38 |
| Fargo. | Cimarron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.80 |
| Fredonia. | Verdigris. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.23 |
| Garden City. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.62 |
| Greensburg. | Verdigris. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.12 |
| Grenola. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.12 |
| Howard. | Cimarron. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 |
| Hugoton. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4.49 |
| Hutchinson. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3.70 |
| Independence. | Verdigris. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2.02 |
| Iola. | Neosho. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.02 |
| Irene. | Arkansas. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1.71 |
| Jetmore. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.80 |
| Kingman. | do. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.76 |
| La Crosse. | do. | | </td | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE 2.—*Daily precipitation for October, 1913. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for October, 1913. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for October, 1913. District No. 7—Continued.*

* Precipitation included in that of the next measurement.

Separate dates of falls not recorded.
Precipitation for the 24 hours ended

Precipitation for the 24 hours ending on the morning when it is measured.
Precipitation is less than 0.01 inch rain or melted snow.

F. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for October, 1913. District No. 7, Lower Mississippi Valley.

| Date. | Colorado. | | | | New Mexico. | | | | Texas. | | | | Kansas. | | | | Oklahoma. | | | | | | | | | | | |
|--------|-----------|------|------------|------|-------------|------|---------|------|-----------|------|-----------|------|---------|------|-------------|------|------------|------|-------|------|----------|------|----------|------|----------|------|---------------|------|
| | Lamar. | | Leadville. | | Pueblo. | | Albert. | | Cimarron. | | Amarillo. | | Paris. | | Dodge City. | | Ellinwood. | | Iola. | | Liberal. | | Wichita. | | Ardmore. | | Bartlesville. | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | | |
| 1.... | 72 | 34 | 56 | 31 | 66 | 45 | 70 | 58 | 58 | 46 | 75 | 56 | 80 | 59 | 76 | 56 | 81 | 55 | 82 | 53 | 79 | 55 | 82 | 60 | 82 | 61 | 85 | 60 |
| 2.... | 79 | 47 | 63 | 29 | 77 | 48 | 72 | 50 | 66 | 46 | 76 | 53 | 83 | 65 | 79 | 54 | 82 | 52 | 84 | 53 | 80 | 54 | 82 | 64 | 84 | 62 | 85 | 62 |
| 3.... | 87 | 55 | 53 | 34 | 77 | 49 | 75 | 52 | 73 | 40 | 73 | 52 | 82 | 66 | 78 | 56 | 78 | 58 | 83 | 54 | 80 | 55 | 78 | 62 | 72 | 65 | 83 | 62 |
| 4.... | 84 | 43 | 50 | 31 | 75 | 48 | 74 | 51 | 68 | 36 | 77 | 55 | 80 | 66 | 80 | 59 | 80 | 66 | 72 | 63 | 81 | 58 | 74 | 67 | 77 | 65 | 84 | 65 |
| 5.... | 85 | 41 | 48 | 30 | 78 | 46 | 79 | 49 | 71 | 37 | 80 | 50 | 86 | 68 | 82 | 52 | 85 | 61 | 83 | 67 | 84 | 59 | 81 | 66 | 88 | 68 | 86 | 70 |
| 6.... | 77 | 47 | 38 | 19 | 66 | 45 | 79 | 45 | 65 | 40 | 79 | 53 | 88 | 65 | 68 | 50 | 76 | 59 | 84 | 65 | 75 | 52 | 82 | 58 | 84 | 70 | 88 | 69 |
| 7.... | 79 | 40 | 46 | 18 | 68 | 33 | 75 | 48 | 68 | 30 | 74 | 46 | 84 | 66 | 70 | 44 | 71 | 45 | 76 | 61 | 71 | 43 | 68 | 55 | 83 | 68 | 80 | 66 |
| 8.... | 80 | 35 | 54 | 22 | 72 | 40 | 71 | 42 | 71 | 32 | 83 | 53 | 90 | 64 | 82 | 51 | 85 | 51 | 83 | 58 | 85 | 43 | 77 | 62 | 86 | 63 | 86 | 61 |
| 9.... | 85 | 38 | 44 | 17 | 72 | 35 | 69 | 42 | 66 | 33 | 80 | 57 | 88 | 65 | 80 | 55 | 80 | 54 | 82 | 62 | 86 | 43 | 75 | 60 | 84 | 62 | 85 | 61 |
| 10.... | 70 | 40 | 24 | 12 | 55 | 37 | 73 | 44 | 56 | 41 | 73 | 43 | 83 | 65 | 62 | 40 | 72 | 49 | 73 | 45 | 73 | 47 | 74 | 45 | 80 | 68 | 82 | 75 |
| 11.... | 74 | 25 | 46 | 15 | 74 | 32 | 64 | 45 | 71 | 19 | 77 | 37 | 76 | 55 | 71 | 33 | 72 | 34 | 71 | 39 | 73 | 32 | 66 | 42 | 72 | 45 | 72 | 42 |
| 12.... | 81 | 38 | 61 | 25 | 78 | 32 | 75 | 34 | 76 | 36 | 79 | 47 | 80 | 41 | 84 | 43 | 82 | 43 | 81 | 39 | 75 | 47 | 77 | 45 | 80 | 50 | 80 | 50 |
| 13.... | 85 | 60 | 54 | 33 | 79 | 45 | 79 | 44 | 72 | 40 | 81 | 55 | 81 | 48 | 85 | 54 | 82 | 55 | 77 | 51 | 87 | 53 | 76 | 50 | 79 | 50 | 80 | 50 |
| 14.... | 86 | 33 | 57 | 28 | 81 | 47 | 81 | 41 | 78 | 36 | 85 | 55 | 80 | 48 | 88 | 57 | 86 | 58 | 77 | 58 | 91 | 55 | 77 | 52 | 79 | 54 | 84 | 57 |
| 15.... | 60 | 31 | 51 | 20 | 55 | 37 | 63 | 46 | 63 | 34 | 64 | 47 | 83 | 51 | 57 | 41 | 74 | 47 | 72 | 57 | 74 | 50 | 71 | 49 | 80 | 57 | 84 | 57 |
| 16.... | 60 | 31 | 39 | 18 | 52 | 30 | 59 | 39 | 55 | 30 | 57 | 40 | 72 | 59 | 47 | 37 | 49 | 41 | 61 | 46 | 52 | 37 | 50 | 45 | 67 | 60 | 64 | 64 |
| 17.... | 59 | 30 | 36 | 15 | 53 | 39 | 54 | 42 | 55 | 38 | 55 | 40 | 59 | 54 | 54 | 36 | 52 | 39 | 40 | 48 | 58 | 37 | 50 | 43 | 57 | 50 | 50 | 49 |
| 18.... | 58 | 32 | 23 | 18 | 53 | 33 | 61 | 41 | 55 | 31 | 55 | 42 | 60 | 41 | 56 | 33 | 60 | 31 | 58 | 36 | 54 | 37 | 60 | 49 | 57 | 50 | 57 | 43 |
| 19.... | 60 | 31 | 32 | 18 | 46 | 30 | 45 | 24 | 50 | 35 | 50 | 45 | 59 | 45 | 46 | 30 | 46 | 32 | 49 | 31 | 50 | 32 | 46 | 36 | 56 | 43 | 53 | 45 |
| 20.... | 66 | 31 | 40 | 25 | 67 | 28 | 64 | 33 | 60 | 23 | 60 | 33 | 57 | 35 | 47 | 31 | 54 | 29 | 47 | 30 | 50 | 31 | 57 | 33 | 53 | 33 | 53 | |
| Mns. | 70.5 | 34.2 | 43.5 | 20.9 | 63.6 | 35.0 | 68.6 | 41.9 | 62.9 | 31.2 | 68.0 | 42.5 | 72.8 | 49.8 | 66.1 | 39.4 | 67.4 | 41.7 | 65.4 | 43.6 | 69.4 | 40.9 | 64.2 | 45.8 | 70.8 | 50.2 | 68.6 | 49.2 |

| Date. | Oklahoma. | | | | | | | | Missouri. | | | | | | | | Blandville, Ky. | | | | | | | | Jackson, Tenn. | |
|--------|-----------|------|------------|------|---------|------|------------|------|-----------|------|--------------|------|-----------|------|------------------|------|-----------------|------|--------|------|--------|------|---------------|------|----------------|------|
| | Enid. | | McAlester. | | Mangum. | | Musko-gee. | | Oklahoma. | | Weatherford. | | Woodward. | | Caruthers-ville. | | Ironton. | | Lamar. | | Olden. | | Spring-field. | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| 1.... | 84 | 56 | 84 | 58 | 81 | 58 | 85 | 60 | 81 | 59 | 82 | 52 | 81 | 51 | 87 | 56 | 77 | 47 | 84 | 57 | 78 | 57 | 75 | 54 | 80 | 55 |
| 2.... | 85 | 58 | 86 | 62 | 85 | 59 | 85 | 60 | 84 | 63 | 85 | 55 | 85 | 54 | 87 | 55 | 78 | 49 | 86 | 53 | 78 | 57 | 77 | 52 | 82 | 57 |
| 3.... | 73 | 70 | 77 | 62 | 72 | 59 | 79 | 61 | 71 | 64 | 84 | 55 | 73 | 55 | 83 | 48 | 79 | 39 | 85 | 53 | 80 | 59 | 71 | 49 | 81 | 45 |
| 4.... | 78 | 63 | 81 | 65 | 80 | 60 | 79 | 64 | 74 | 67 | 79 | 61 | 80 | 59 | 85 | 55 | 79 | 47 | 79 | 58 | 76 | 61 | 80 | 54 | 82 | 46 |
| 5.... | 81 | 64 | 87 | 63 | 85 | 54 | 86 | 64 | 83 | 66 | 85 | 56 | 88 | 53 | 73 | 55 | 77 | 60 | 87 | 62 | 81 | 65 | 78 | 57 | 82 | 47 |
| 6.... | 85 | 66 | 87 | 62 | 88 | 57 | 87 | 67 | 84 | 69 | 86 | 56 | 88 | 57 | 87 | 66 | 83 | 64 | 88 | 64 | 83 | 65 | 85 | 65 | 86 | 48 |
| 7.... | 74 | 60 | 86 | 57 | 79 | 58 | 82 | 64 | 74 | 63 | 76 | 56 | 76 | 50 | 78 | 36 | 79 | 45 | 83 | 48 | 77 | 66 | 81 | 62 | 88 | 49 |
| 8.... | 81 | 58 | 89 | 62 | 82 | 54 | 86 | 65 | 81 | 59 | 85 | 58 | 84 | 52 | 78 | 30 | 73 | 66 | 87 | 58 | 81 | 64 | 73 | 63 | 88 | 48 |
| 9.... | 82 | 57 | 88 | 52 | 80 | 53 | 86 | 65 | 80 | 62 | 78 | 56 | 75 | 56 | 89 | 56 | 75 | 65 | 88 | 63 | 81 | 61 | 89 | 56 | 88 | 56 |
| 10.... | 79 | 57 | 76 | 64 | 80 | 58 | 76 | 65 | 80 | 50 | 83 | 56 | 74 | 63 | 87 | 66 | 81 | 61 | 77 | 64 | 75 | 53 | 82 | 67 | 88 | 58 |
| 11.... | 69 | 55 | 75 | 45 | 70 | 38 | 73 | 43 | 68 | 42 | 71 | 39 | 72 | 33 | 77 | 56 | 66 | 45 | 72 | 38 | 66 | 44 | 76 | 51 | 83 | 50 |
| 12.... | 79 | 42 | 79 | 45 | 80 | 38 | 79 | 43 | 75 | 47 | 81 | 38 | 83 | 34 | 78 | 42 | 78 | 38 | 74 | 45 | 74 | 48 | 73 | 43 | 81 | 39 |
| 13.... | 78 | 50 | 78 | 50 | 81 | 44 | 78 | 46 | 75 | 52 | 78 | 38 | 81 | 42 | 84 | 47 | 78 | 43 | 81 | 50 | 75 | 53 | 80 | 51 | 84 | 40 |
| 14.... | 77 | 51 | 78 | 50 | 79 | 50 | 73 | 53 | 75 | 55 | 76 | 52 | 79 | 55 | 82 | 51 | 75 | 46 | 80 | 52 | 74 | 55 | 78 | 53 | 80 | 46 |
| 15.... | 78 | 56 | 80 | 57 | 75 | 52 | 79 | 58 | 76 | 59 | 82 | 55 | 70 | 50 | 85 | 50 | 78 | 49 | 82 | 56 | 70 | 56 | 78 | 54 | 81 | 46 |
| 16.... | 54 | 48 | 78 | 62 | 56 | 48 | 61 | 66 | 48 | 51 | 48 | 46 | 43 | 39 | 57 | 55 | 75 | 52 | 61 | 61 | 73 | 54 | 76 | 57 | 82 | 45 |
| 17.... | 49 | 46 | 56 | 52 | 60 | 45 | 54 | 51 | 51 | 48 | 52 | 45 | 45 | 42 | 77 | 62 | 58 | 58 | 49 | 49 | 54 | 45 | 69 | 56 | 72 | 42 |
| 18.... | 57 | 39 | 56 | 49 | 64 | 40 | 58 | 45 | 56 | 42 | 59 | 39 | 60 | 34 | 62 | 55 | 32 | 50 | 42 | 51 | 51 | 44 | 56 | 49 | 63 | 52 |
| 19.... | 49 | 39 | 56 | 43 | 58 | 40 | 56 | 43 | 53 | 33 | 56 | 39 | 52 | 35 | 63 | 42 | 56 | 36 | 49 | 38 | 40 | 46 | 35 | 49 | 45 | 55 |
| 20.... | 55 | 33 | 54 | 35 | 69 | 33 | 53 | 33 | 52 | 32 | 61 | 30 | 60 | 28 | 50 | 33 | 41 | 32 | 48 | 28 | 40 | 27 | 46 | 35 | 55 | |
| 21.... | 74 | 35 | 72 | 38 | 73 | 33 | 72 | 34 | 70 | 39 | 74 | 33 | 77 | 34 | 53 | 29 | 49 | 31 | 59 | 32 | 55 | 35 | 43 | 32 | 50</td | |

TABLE 3.—Maximum and minimum temperatures at selected stations for October, 1913. District No. 7—Continued.

| Date. | Tennessee. | | | | Arkansas. | | | | | | | | | | | | Mississippi. | | | |
|-------|------------|------|----------|------|--------------|-------------|------------|-------------|--------|--------------|-------------|------------|--------|--------------|----------|-------------|--------------|------|------|------|
| | Kenton. | | Memphis. | | Bentonville. | Dardanelle. | El Dorado. | Fort Smith. | Hardy. | Little Rock. | Pine Bluff. | Texarkana. | Wynne. | Clarksville. | Corinth. | Greenville. | | | | |
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | |
| 1 | 77 | 54 | 79 | 66 | 79 | 56 | 86 | 61 | 83 | 60 | 85 | 63 | 80 | 55 | 80 | 65 | 82 | 83 | 81 | 69 |
| 2 | 77 | 55 | 78 | 63 | 80 | 56 | 89 | 60 | 83 | 63 | 85 | 63 | 87 | 55 | 82 | 65 | 84 | 62 | 80 | 59 |
| 3 | 76 | 43 | 78 | 58 | 80 | 53 | 84 | 57 | 84 | 63 | 80 | 62 | 82 | 51 | 83 | 61 | 85 | 59 | 79 | 48 |
| 4 | 79 | 45 | 82 | 62 | 78 | 59 | 84 | 62 | 84 | 63 | 77 | 59 | 80 | 61 | 81 | 62 | 85 | 59 | 83 | 55 |
| 5 | 80 | 50 | 81 | 66 | 83 | 66 | 85 | 65 | 83 | 67 | 88 | 68 | 79 | 68 | 82 | 63 | 94 | 65 | 82 | 60 |
| 6 | 85 | 59 | 80 | 68 | 84 | 63 | 89 | 65 | 84 | 70 | 87 | 66 | 78 | 66 | 79 | 71 | 87 | 66 | 82 | 60 |
| 7 | 85 | 56 | 79 | 69 | 78 | 60 | 83 | 69 | 87 | 70 | 82 | 68 | 76 | 70 | 75 | 71 | 95 | 65 | 88 | 59 |
| 8 | 85 | 58 | 80 | 69 | 82 | 58 | 89 | 65 | 86 | 65 | 87 | 67 | 85 | 68 | 86 | 67 | 95 | 66 | 86 | 62 |
| 9 | 84 | 56 | 86 | 66 | 83 | 62 | 88 | 66 | 85 | 65 | 88 | 65 | 84 | 64 | 85 | 67 | 94 | 69 | 88 | 64 |
| 10 | 86 | 63 | 84 | 64 | 76 | 53 | 87 | 67 | 86 | 68 | 81 | 61 | 84 | 66 | 84 | 62 | 85 | 70 | 84 | 64 |
| 11 | 80 | 55 | 66 | 55 | 66 | 41 | 72 | 52 | 73 | 61 | 71 | 51 | 73 | 49 | 69 | 53 | 70 | 50 | 55 | 68 |
| 12 | 73 | 38 | 72 | 52 | 75 | 42 | 80 | 44 | 75 | 46 | 76 | 46 | 77 | 41 | 76 | 49 | 82 | 44 | 42 | 75 |
| 13 | 79 | 43 | 81 | 56 | 76 | 46 | 84 | 46 | 80 | 46 | 80 | 49 | 80 | 47 | 78 | 52 | 82 | 45 | 81 | 44 |
| 14 | 78 | 45 | 77 | 60 | 73 | 51 | 80 | 48 | 80 | 50 | 77 | 55 | 80 | 50 | 75 | 58 | 80 | 47 | 81 | 50 |
| 15 | 78 | 44 | 76 | 60 | 74 | 52 | 82 | 49 | 81 | 55 | 80 | 58 | 81 | 51 | 78 | 60 | 80 | 52 | 81 | 46 |
| 16 | 78 | 52 | 72 | 62 | 70 | 53 | 77 | 53 | 81 | 62 | 74 | 59 | 76 | 58 | 71 | 62 | 79 | 60 | 79 | 55 |
| 17 | 71 | 58 | 72 | 58 | 53 | 47 | 63 | 57 | 71 | 67 | 59 | 51 | 65 | 54 | 70 | 56 | 71 | 62 | 74 | 56 |
| 18 | 59 | 50 | 58 | 50 | 53 | 41 | 60 | 50 | 60 | 56 | 57 | 50 | 62 | 48 | 57 | 53 | 58 | 60 | 62 | 55 |
| 19 | 53 | 46 | 55 | 40 | 48 | 35 | 56 | 46 | 63 | 52 | 55 | 40 | 55 | 38 | 55 | 41 | 62 | 55 | 58 | 48 |
| 20 | 50 | 32 | 46 | 36 | 45 | 28 | 52 | 35 | 55 | 36 | 51 | 34 | 46 | 35 | 49 | 36 | 54 | 38 | 43 | 35 |
| 21 | 50 | 28 | 62 | 36 | 68 | 30 | 74 | 31 | 73 | 35 | 73 | 34 | 57 | 32 | 67 | 34 | 70 | 33 | 82 | 24 |
| 22 | 59 | 42 | 66 | 52 | 60 | 37 | 68 | 48 | 71 | 43 | 69 | 47 | 57 | 40 | 64 | 50 | 78 | 40 | 64 | 36 |
| 23 | 60 | 43 | 57 | 43 | 54 | 32 | 55 | 44 | 48 | 47 | 58 | 40 | 57 | 39 | 50 | 42 | 48 | 42 | 50 | 57 |
| 24 | 53 | 49 | 53 | 46 | 65 | 31 | 70 | 44 | 64 | 44 | 67 | 36 | 65 | 43 | 64 | 45 | 75 | 56 | 48 | 54 |
| 25 | 66 | 36 | 71 | 46 | 74 | 41 | 73 | 40 | 75 | 41 | 78 | 45 | 72 | 39 | 72 | 46 | 75 | 52 | 74 | 43 |
| Mns. | 69.0 | 45.1 | 68.6 | 52.7 | 66.7 | 44.2 | 72.9 | 49.4 | 73.0 | 52.0 | 70.8 | 49.6 | 69.5 | 47.4 | 69.2 | 52.1 | 71.7 | 50.6 | 78.2 | 50.5 |
| | | | | | | | | | | | | | | | | | | | | |

Mississippi.

Louisiana.

| Date. | Kosciusko. | | Natchez. | | Vicksburg. | | Alexandria. | | Baton Rouge. | | Covington. | | Lafayette. | | Lake Charles. | | Monroe. | | New Orleans. | | Robeline. | | Schriever. | | Shreveport. | |
|-------|------------|------|----------|------|------------|------|-------------|------|--------------|------|------------|------|------------|------|---------------|------|---------|------|--------------|------|-----------|------|------------|------|-------------|------|
| | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. | Max. | Min. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 86 | 65 | 80 | 70 | 80 | 68 | 79 | 70 | 85 | 69 | 85 | 70 | 81 | 71 | 77 | 68 | 82 | 70 | 85 | 72 | 86 | 71 | 79 | 69 | 80 | |
| 2 | 85 | 65 | 76 | 70 | 79 | 68 | 78 | 69 | 88 | 70 | 88 | 69 | 82 | 81 | 81 | 66 | 79 | 69 | 86 | 73 | 87 | 68 | 74 | 68 | 83 | |
| 3 | 83 | 52 | 80 | 64 | 80 | 64 | 82 | 65 | 87 | 67 | 85 | 65 | 84 | 67 | 86 | 65 | 85 | 66 | 83 | 72 | 89 | 68 | 80 | 67 | 80 | |
| 4 | 83 | 51 | 82 | 61 | 81 | 52 | 83 | 60 | 85 | 63 | 83 | 60 | 77 | 68 | 76 | 66 | 85 | 60 | 86 | 68 | 86 | 66 | 82 | 66 | 86 | |
| 5 | 85 | 55 | 83 | 63 | 84 | 63 | 82 | 65 | 82 | 72 | 79 | 60 | 86 | 91 | 67 | 83 | 69 | 80 | 71 | 85 | 66 | 83 | 70 | 83 | 70 | |
| 6 | 76 | 65 | 89 | 73 | 82 | 71 | 87 | 71 | 93 | 73 | 92 | 74 | 88 | 73 | 93 | 60 | 82 | 73 | 87 | 73 | 90 | 72 | 86 | 70 | 87 | |
| 7 | 85 | 66 | 87 | 71 | 85 | 70 | 84 | 70 | 87 | 71 | 86 | 73 | 88 | 73 | 90 | 63 | 87 | 71 | 88 | 73 | 86 | 73 | 87 | 69 | 86 | |
| 8 | 87 | 61 | 88 | 68 | 87 | 68 | 85 | 68 | 84 | 70 | 90 | 69 | 84 | 70 | 89 | 65 | 88 | 68 | 86 | 72 | 86 | 70 | 87 | 68 | 83 | |
| 9 | 88 | 62 | 86 | 67 | 86 | 67 | 85 | 69 | 86 | 68 | 90 | 68 | 85 | 65 | 84 | 66 | 86 | 65 | 86 | 71 | 86 | 63 | 85 | 65 | 84 | |
| 10 | 87 | 62 | 84 | 68 | 86 | 68 | 84 | 68 | 89 | 69 | 87 | 65 | 86 | 70 | 88 | 67 | 88 | 68 | 88 | 71 | 87 | 66 | 88 | 68 | 87 | |
| 11 | 68 | 66 | 72 | 69 | 73 | 55 | 74 | 65 | 76 | 68 | 82 | 66 | 78 | 71 | 82 | 68 | 74 | 65 | 85 | 68 | 84 | 64 | 76 | 58 | 82 | |
| 12 | 74 | 46 | 74 | 50 | 74 | 51 | 76 | 48 | 80 | 50 | 82 | 48 | 77 | 54 | 74 | 51 | 75 | 49 | 74 | 60 | 77 | 57 | 74 | 52 | 78 | |
| 13 | 81 | 42 | 78 | 47 | 79 | 52 | 76 | 48 | 80 | 50 | 82 | 48 | 77 | 55 | 80 | 55 | 84 | 48 | 79 | 49 | 76 | 59 | 78 | 52 | 78 | |
| 14 | 81 | 44 | 82 | 48 | 81 | 57 | 80 | 48 | 81 | 52 | 84 | 49 | 82 | 53 | 84 | 54 | 82 | 51 | 83 | 52 | 85 | 51 | 82 | 56 | 81 | |
| 15 | 80 | 49 | 81 | 53 | 79 | 50 | 83 | 53 | 88 | 62 | 90 | 51 | 80 | 58 | 75 | 53 | 80 | 56 | 85 | 55 | 85 | 54 | 80 | 56 | 81 | |
| 16 | 80 | 52 | 82 | 60 | 80 | 66 | 80 | 59 | 85 | 66 | 84 | 64 | 87 | 61 | 81 | 65 | 83 | 59 | 81 | 65 | 83 | 48 | 87 | 62 | 81 | |
| 17 | 84 | 62 | 76 | 65 | 78 | 63 | 79 | 64 | 70 | 67 | 79 | 61 | 75 | 68 | 78 | 63 | 77 | 67 | 80 | 70 | 73 | 65 | 69 | 58 | 82 | |
| 18 | 89 | 66 | 64 | 60 | 63 | 55 | 66 | 58 | 67 | 63 | 73 | 67 | 64 | 62 | 70 | 55 | 61 | 58 | 72 | 68 | 73 | 68 | 58 | 55 | 55 | |
| 19 | 63 | 52 | 67 | 54 | 63 | 45 | 65 | 51 | 72 | 55 | 70 | 58 | 68 | 56 | 69 | 40 | 66 | 53 | 67 | 56 | 70 | 58 | 63 | 46 | 56 | |
| 20 | 54 | 36 | 59 | 39 | 53 | 39 | 60 | 39 | 65 | 38 | 62 | 42 | 60 | 41 | 66 | 39 | 58 | 37 | 53 | 40 | 62 | 43 | 56 | 34 | 54 | |
| 21 | 67 | 27 | 70 | 36 | 67 | 36 | 70 | 39 | 75 | 41 | 70 | 35 | 70 | 41 | 76 | 37 | 73 | 37 | 67 | 49 | 74 | 38 | 72 | 42 | 57 | |
| 22 | 74 | 30 | 72 | 38 | 73 | 50 | 70 | 40 | 77 | 49 | 74 | 37 | 74 | 48 | 71 | 70 | 52 | 75 | 54 | 80 | 41 | 73 | 56 | 64 | 53 | |
| 23 | 60 | 47 | 60 | 54 | 61 | 45 | 56 | 51 | 61 | 58 | 60 | 50 | 57 | 56 | 66 | 49 | 52 | 50 | 68 | 47 | 64 | 53 | 59 | 46 | 66 | |
| 24 | 51 | 44 | 60 | 45 | 54 | 45 | 66 | 40 | 71 | 44 | 67 | 44 | 67 | 44 | 73 | 40 | 58 | 44 | 67 | 46 | 70 | 42 | 67 | 46 | 66 | |
| 25 | 74 | 43 | 74 | 49 | 74 | 49 | 73 | 43 | 79 | 46 | 77 | 45 | 77 | 44 | 82 | 40 | 76 | 41 | 69 | 53 | 78 | 44 | 76 | 49 | 69 | |
| 26 | 75 | 41 | 76 | 44 | 74 | 42 | 76 | 43 | 82 | 49 | 75 | 46 | 79 | 48 | 78 | 50 | 77 | 44 | 76 | 57 | 80 | 41 | 69 | 42 | 62 | |
| 27 | 45 | 3 | | | | | | | | | | | | | | | | | | | | | | | | |